

# Advanced Proteomics/Post-Translational Modification Research Solutions

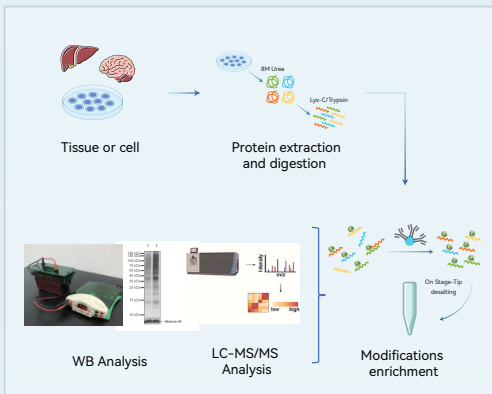
High-Quality Processing + Precise Detection + Efficient Enrichment

## What is Post-Translational Modification?

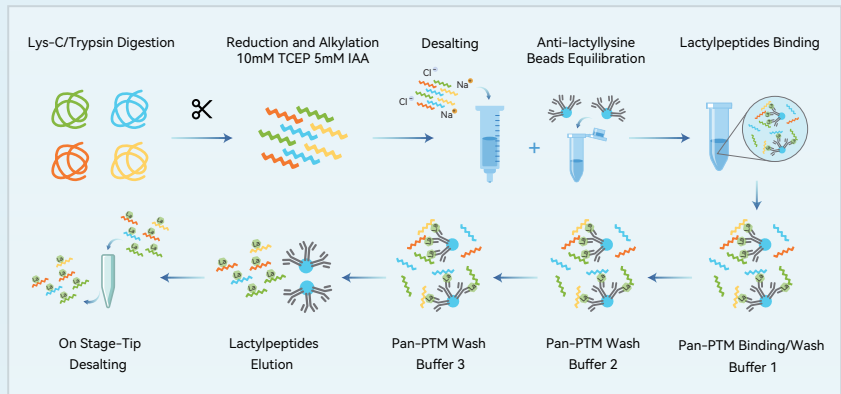
As the executors of life activities, proteins do not have fixed functions. After proteins are synthesized in ribosomes, they undergo a series of chemical modifications known as post-translational modifications (PTMs) of proteins. PTM of proteins is like putting different "coats" on proteins, enabling the diversification of functions through dynamic regulation. These modifications do not require changing the amino acid sequence of the protein, but they can significantly affect the protein's structure, function, localization, and stability. PTM is an important mechanism for cells to achieve precise regulation, just like equipping proteins with "molecular switches" to adjust their activity states at any time.

## How to study PTM using proteomics methods?

### ► Workflow








### ► Modifications Enrichment Workflow (eg. Lactylation)



## ANTBIO PTM Products Comprehensively meet your research needs

### 1) Single B-Cell Rabbit Recombinant Antibody Development Platform: Rich stock! Quick updates!

 <p><b>High Specificity</b></p> <p>High Dilution Ratio / High Concentration / Strong Immune Response / High Sensitivity</p>	 <p><b>High Affinity</b></p> <p>Picomolar-level Equilibrium Dissociation Constant (KD)</p>	 <p><b>High Batch Consistency</b></p> <p>Proprietary Single B Cell Platform preserves recombinant plasmids for stable batches</p>	 <p><b>Multiple Validations</b></p> <p>Tested on various species and biological samples to meet diverse experimental needs</p>	 <p><b>Cost-Effective</b></p> <p>Reasonable pricing with additional discounts for kits or custom kits</p>
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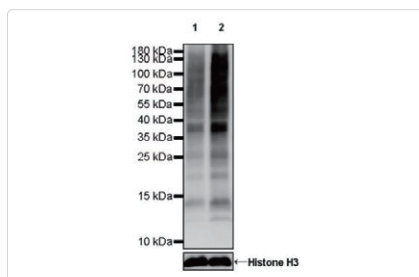
### 2) Related Products

## Pan-Modifications

Modifications	Category	Cat. No.	Product Name	Reactivity	Application	
Acetylation	pAb	S0B0655	Acetyllysine Rabbit Polyclonal Antibody	Species Independent	WB, IP	Hot
	Premium Agarose Beads	S0F0017	Premium Anti-acetyllysine Agarose Beads	Species Independent	IAP, IAC, IP	
	Agarose Beads	S0F0004	Anti-acetyllysine Agarose Beads	Species Independent	IAP, IAC, IP	
Lactylation	pAb	S0B0719	L-Lactyl Lysine Rabbit Polyclonal Antibody	Species Independent	WB, IP	Hot
	Premium Agarose Beads	S0F0016	Premium Anti-L-lactyllysine Agarose Beads	Species Independent	IAP, IAC, IP	
	Agarose Beads	S0F0003	Anti-L-lactyllysine Agarose Beads	Species Independent	IAP, IAC, IP	Hot
Glycosylation	mAb	S0B0373	O-Linked N-Acetylglucosamine Recombinant Rabbit mAb (S-R256)	Species Independent	IHC-P, ICC, WB	
	Premium Agarose Beads	S0F0027	Premium Anti-O-GlcNAc Agarose Beads	Species Independent	IAP, IAC, IP	
	Agarose Beads	S0F0009	Anti-O-GlcNAc Agarose Beads	Species Independent	IAP, IAC, IP	
Tyrosine Phosphorylation	mAb	S0B0749	Phosphotyrosine Recombinant Mouse mAb (S-R433-1)	Species Independent	ICC, WB	
	mAb	S0B0735	Phosphotyrosine Recombinant Mouse mAb (S-R433-2)	Species Independent	ICC, WB	
	mAb	S0B0319	Phosphotyrosine Recombinant Rabbit mAb (S-R207)	Species Independent	IHC-P, ICC, WB, IP	Hot
	Agarose Beads	S0F0007	Anti-Phosphotyrosine Agarose Beads	Species Independent	IAP, IAC, IP	
Serine/Threonine Phosphorylation	mAb	S0B6454	Phospho-Serine/Threonine Recombinant Mouse mAb (S-3496)	Species Independent	WB	
Succinylation	pAb	S0B1272	Succinyllysine Rabbit Polyclonal Antibody	Species Independent	WB	
	Premium Agarose Beads	S0F0030	Premium Anti-Succinyllysine Agarose Beads	Species Independent	IAP, IAC, IP	
	Agarose Beads	S0F0010	Anti-Succinyllysine Agarose Beads	Species Independent	IAP, IAC, IP	
Crotonylation	pAb	S0B1324	Crotonyllysine Rabbit Polyclonal Antibody	Species Independent	WB	
	Premium Agarose Beads	S0F0026	Premium Anti-Crotonyllysine Agarose Beads	Species Independent	IAP, IAC, IP	
Ubiquitination	mAb	S0B0087	Ubiquitin Recombinant Rabbit mAb (SDT-R095)	Species Independent	IHC-P, ICC, WB, FC(Intra)	Hot
	pAb	S0B0965	K-ε-GG Rabbit Polyclonal Antibody	Species Independent	Immunoaffinity purification, Dot blot	
	Premium Agarose Beads	S0F0018	Premium Anti-K-ε-GG Agarose Beads	Species Independent	IAP, IAC, IP	
	Agarose Beads	S0F0005	Anti-K-ε-GG Agarose Beads	Species Independent	IAP, IAC, IP	
Butyrylation	mAb	S0B0740	Butyryllysine Recombinant Rabbit mAb (S-R399)	Species Independent	WB	
Khib	pAb	S0B0876	2-hydroxyisobutyryllysine Rabbit Polyclonal Antibody	Species Independent	WB	
	Agarose Beads	S0F0006	Anti-2-hydroxyisobutyryllysine Agarose Beads	Species Independent	IAP, IAC, IP	
4-HNE	mAb	S0B0737	4-Hydroxynonenal Recombinant Mouse mAb (S-R405)	Species Independent	ELISA, WB	
UFMylation	pAb	S0B1323	K-ε-GV Rabbit Polyclonal Antibody	Species Independent	IAP	
	Premium Agarose Beads	S0F0021	Premium Anti-K-ε-GV Agarose Beads	Species Independent	IAP, IAC, IP	
Fumarylation	pAb	S0B1322	Fumaryllysine Rabbit Polyclonal Antibody	Species Independent	WB	
	Premium Agarose Beads	S0F0028	Premium Anti-Fumaryllysine Agarose Beads	Species Independent	IAP, IAC, IP	
Methylation	pAb	S0B6173	Tri-Methyl Lysine Rabbit Polyclonal Antibody	Species Independent	ELISA, WB	
Methylpropenylation	mAb	S0B6453	Methacryllysine Recombinant Mouse mAb (S-3455)	Species Independent	WB	
	Auxiliary Reagent	S0F0022	Pan-PTM Binding/Wash Buffer 1		IAC, IAP, IP	
		S0F0023	Pan-PTM Wash Buffer 2		IAC, IAP, IP	
		S0F0024	Pan-PTM Wash Buffer 3		IAC, IAP, IP	
		S0F0029	Pan-PTM Buffer Set		IAC, IAP, IP	

## ► Performance Data:

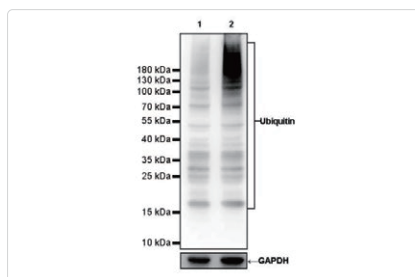
- L-Lactyl Lysine Rabbit Polyclonal Antibody (Cat. No.: S0B0719)



### WB result:

- L-Lactyl Lysine Rabbit pAb at 1/1000 dilution
- Lane 1: untreated HeLa whole cell lysate 20 µg
- Lane 2: HeLa treated with 100 mM Lactate sodium for 24 hours

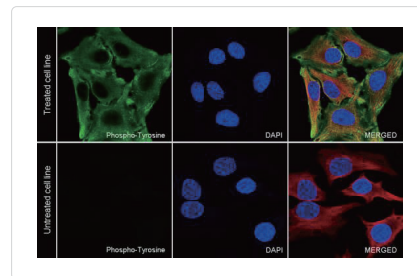
- Ubiquitin Recombinant Rabbit mAb (SDT-R095) (Cat. No.: S0B0087)



### WB result:

- Ubiquitin Rabbit mAb at 1/1000 dilution
- Lane 1: Untreated HT-1080
- Lane 2: HT-1080 treated with MG-132 (10 µM) 4 hr

- Phosphotyrosine Recombinant Rabbit mAb (S-R207) (Cat. No.: S0B0319)



### ICC result:

- Anti-Phospho-Tyrosine antibody was used at 1/500 dilution (Green) and incubated overnight at 4 °C.

## Site-Specific Modification

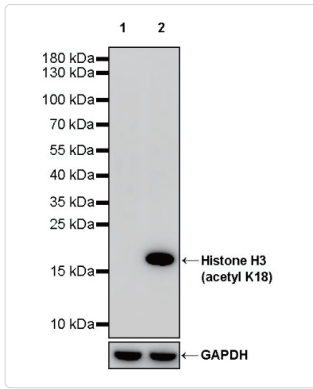
Modifications	Category	Cat. No.	Product Name	Reactivity	Application
Acetylation	mAb	S0B0755	Histone H3 (acetyl K14) Recombinant Rabbit mAb (S-R398)	Hu, Ms	ICC, WB, ChIP
	mAb	S0B1154	Histone H3 (acetyl K18) Recombinant Rabbit mAb (S-1688-90)	Hu, Ms, Rt	IHC-P, IP, WB, ICC
	mAb	S0B0546	Histone H3 (acetyl K27) Recombinant Rabbit mAb (S-699-50)	Hu, Ms, Rt	ICC, IHC-P, IP, WB, IFCM, ChIP
	mAb	S0B1224	Histone H3 (acetyl K36) Recombinant Rabbit mAb (S-1732-53)	Hu, Ms	WB
	pAb	S0B0545	Histone H3 (acetyl K4 + K9 + K18) Rabbit polyclonal antibody	Hu, Ms, Rt	IHC-P, IF, WB, ChIP
	mAb	S0B1263	Histone H3 (acetyl K4) Recombinant Rabbit mAb (S-848-137)	Hu, Ms, Rt	IHC-P, WB, ICC
	pAb	S0B0512	Histone H3 (acetyl K9) Rabbit polyclonal antibody	Hu, Ms, Rt	ChIP, IHC-P, WB, ICC
	mAb	S0B0983	Histone H4 (acetyl K16) Recombinant Rabbit mAb (S-1482-12)	Hu, Ms, Rt	IHC-P, WB
	mAb	S0B1267	Histone H4 (acetyl K20) Recombinant Rabbit mAb (S-846-491)	Hu, Ms	WB, ICC
	mAb	S0B0878	Histone H4 (acetyl K5 + K8 + K12 + K16) Recombinant Rabbit mAb (S-902-37)	Hu, Ms, Rt	ChIP, IHC-P, WB, ICC
	mAb	S0B0942	Histone H4 (acetyl K5) Recombinant Rabbit mAb (S-1464-112)	Hu, Ms, Rt	IHC-P, IP, WB
	mAb	S0B1236	α-tubulin (acetyl K40) Recombinant Rabbit mAb (S-1536-100)	Hu, Ms, Rt	IHC-P, WB, IF <b>Hot</b>
	pAb	S0B6056	SOD2/MnSOD (acetyl K68) Rabbit Polyclonal Antibody	Hu, Ms, Rt	IHC-P, WB <b>Hot</b>
Propionylation	mAb	S0B0332	Propionyl-Histone H4 (Lys5) Recombinant Rabbit mAb (S-R093)	Hu, Ms, Rt	IHC-P, WB, ICC
Lactylation	mAb	S0B0756	Histone H3 (Lactyl K9) Recombinant Rabbit mAb (S-R397)	Hu	ICC, IP, WB, ChIP <b>Hot</b>
Methylation	mAb	S0B1113	Histone H2B (mono methyl K5) Recombinant Rabbit mAb (S-1416-412)	Hu, Ms, Rt	ICC, IHC-P, WB, ChIP
	mAb	S0B0707	Histone H3 (di methyl K14) Recombinant Rabbit mAb (S-R414)	Hu, Ms, Rt	ChIP, IHC-P, WB, ICC
	mAb	S0B0727	Histone H3 (di methyl K56) Recombinant Rabbit mAb (S-R427)	Hu, Ms, Rt	ChIP, IHC-P, IP, WB, IFCM, ICC
	pAb	S0B0544	Histone H3 (di methyl K79) Rabbit polyclonal antibody	Hu, Ms	ICC, WB, IFCM, ChIP
	mAb	S0B0808	Histone H3 (di methyl K9) Recombinant Rabbit mAb (S-903-52)	Hu, Ms, Rt	IHC-P, WB, IFCM, ICC

Modifications	Category	Cat. No.	Product Name	Reactivity	Application
Methylation	mAb	S0B0728	Histone H3 (di+tri methyl K79) Recombinant Rabbit mAb (S-854-48)	Hu, Ms, Rt	IHC-P, WB, IFCM, ICC
	mAb	S0B0708	Histone H3 (mono methyl K23) Recombinant Rabbit mAb (S-R413)	Hu, Ms	ICC, WB, IFCM, CHIP
	pAb	S0B0525	Histone H3 (mono methyl K36) Rabbit polyclonal antibody	Hu, Ms, Rt	ICC, WB, CHIP
	mAb	S0B0296	Histone H3 (mono methyl K36) Recombinant Rabbit mAb (S-R211)	Hu, Ms, Rt	CHIP, IHC-P, IP, WB, IFCM, ICC
	mAb	S0B0709	Histone H3 (mono methyl K36) Recombinant Rabbit mAb (S-R396)	Hu, Ms, Rt	ICC, IHC-P, WB, IFCM, CHIP
	pAb	S0B0513	Histone H3 (mono methyl K4) Rabbit polyclonal antibody	Hu, Ms, Rt	ICC, IHC-P, WB, CHIP
	mAb	S0B0766	Histone H3 (mono methyl K79) Recombinant Rabbit mAb (S-R417)	Hu, Ms	CHIP, IHC-P, IP, WB, IFCM, ICC
	mAb	S0B0822	Histone H3 (mono methyl K9) Recombinant Rabbit mAb (S-850-153)	Hu, Ms, Rt	WB, IFCM, ICC
	mAb	S0B2239	Histone H3 (tri methyl K27) Recombinant Rabbit mAb (SDT-431-118)	Hu, Ms, Rt	IHC-P, ICC, WB, IP, IFCM <span style="color: red; font-weight: bold;">Hot</span>
Crotonylation	mAb	S0B0885	Histone H2B (Crotonyl K11) Recombinant Rabbit mAb (S-R420)	Hu	WB, ICC
	mAb	S0B0853	Histone H3 (Crotonyl K18 + K23) Recombinant Rabbit mAb (S-R410)	Hu, Ms	WB, ICC
	mAb	S0B0879	Histone H3 (Crotonyl K9) Recombinant Rabbit mAb (S-R409)	Hu	ICC, IP, WB, CHIP
Citrullination	mAb	S0B1423	Histone H3 (citrulline R2 + R8 + R17) Recombinant Rabbit mAb (S-1733-17)	Hu	WB
Phosphorylation	mAb	S0B0029	Tau (phospho T181) Recombinant Rabbit mAb (SDT-R045)	Ms	ELISA, WB
	mAb	S0B0912	CREB (phospho S133) Recombinant Rabbit mAb (S-1100-102)	Hu, Ms, Rt	IHC-P, WB, CHIP
	mAb	S0B0823	LRRK2 (phospho S935) Recombinant Rabbit mAb (S-966-37)	Hu	WB
	mAb	S0B1403	Non-phospho (Active) $\beta$ -Catenin (Ser37/Thr41) Recombinant Rabbit mAb (S-1813-42)	Hu, Ms	IHC-P, WB
	mAb	S0B6159	Phospho - GSK-3 $\alpha$ / $\beta$ (Tyr216/279) Recombinant Rabbit mAb (S-1810-101)	Hu, Ms, Rt	WB
	mAb	S0B1092	Phospho KAP-1 (S824) Recombinant Rabbit mAb (S-986-9)	Hu, Ms	WB
	mAb	S0B1454	Phospho-Acetyl-CoA Carboxylase (Ser79) Recombinant Rabbit mAb (S-745-303)	Hu	WB
	mAb	S0B0992	Phospho-Akt (Ser473) Recombinant Rabbit mAb (S-510-163)	Hu	IHC-P, WB, IFCM, ICC
	mAb	S0B0363	Phospho-Akt (Ser473) Recombinant Rabbit mAb (S-510-64)	Hu, Ms, Rt	IP, WB <span style="color: red; font-weight: bold;">Hot</span>
	mAb	S0B6070	Phospho-CaMKII (Thr286) Recombinant Rabbit mAb (S-1251-278)	Hu, Ms, Rt	WB
	mAb	S0B1499	Phospho-DRP1 (Ser616) Recombinant Rabbit mAb (S-1281-375)	Hu	WB
	mAb	S0B1413	Phospho-EGFR (Tyr1068) Recombinant Rabbit mAb	Hu	WB, ICC
	mAb	S0B1455	Phospho-EGFR (Tyr1173) Recombinant Rabbit mAb (S-1187-106)	Hu	WB, ICC
	mAb	S0B1460	Phospho-EGFR (Tyr1173) Recombinant Rabbit mAb (S-1187-135)	Hu	WB, ICC
	pAb	S0B6116	Phospho-FAK (Tyr397) Rabbit Polyclonal Antibody	Hu, Ms	WB, ICC
	mAb	S0B1409	Phospho- $\gamma$ H2A.X (Ser139) Recombinant Rabbit mAb (S-981-56)	Hu, Ms, Rt	IHC-P, IP, WB, ICC
mAb	S0B1186	Phospho-GCN2 (T899) Recombinant Rabbit mAb (S-1665-19)	Ms, Rt	IHC-P, WB	
mAb	S0B6019	Phospho-GSK-3 $\alpha$ / $\beta$ (Ser21/9) Recombinant Rabbit mAb (S-1529-102)	Hu, Ms, Rt	WB	

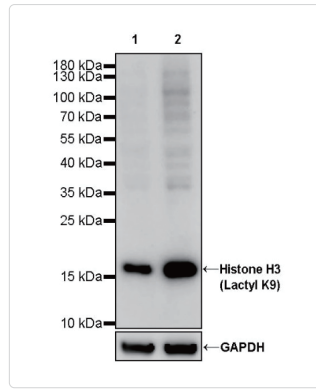
Modifications	Category	Cat. No.	Product Name	Reactivity	Application
Phosphorylation	mAb	S0B0518	Phospho-GSK-3 $\beta$ (Ser9) Recombinant Rabbit mAb (S-748-20)	Hu	IP, WB
	mAb	S0B0901	Phospho-Histone H2A.X (Ser139) Recombinant Rabbit mAb (S-1368-15)	Hu, Ms, Rt	IHC-P, IP, WB
	mAb	S0B1410	Phospho-Histone H3 (Ser10) Recombinant Rabbit mAb (S-960-58)	Hu, Ms, Rt	WB, ChIP
	mAb	S0B0789	Phospho-Histone H3 (Ser28) Recombinant Rabbit mAb (S-1025-45)	Hu, Ms, Rt	IHC-P, IP, WB, ChIP
	mAb	S0B6000	Phospho-I $\kappa$ B $\alpha$ (Ser32) Recombinant Rabbit mAb (S-1084-395)	Hu, Ms	WB
	mAb	S0B0631	Phospho-I $\kappa$ B $\alpha$ (Ser32/36) Recombinant Rabbit mAb (S-151-40)	Hu	WB
	mAb	S0B0257	Phospho-I $\kappa$ B $\alpha$ (Ser36) Recombinant Rabbit mAb (S-R102)	Hu	IHC-P, WB, IFCM, ICC
	mAb	S0B1465	Phospho-LATS1/2 (Ser909/872) Recombinant Rabbit mAb (S-1874-69)	Hu, Ms	WB, ICC
	mAb	S0B6158	Phospho-Lck (Tyr394) Recombinant Rabbit mAb (S-1957-74)	Hu, Ms, Rt	WB, ICC
	mAb	S0B1241	Phospho-LRP6 (Ser1490) Recombinant Rabbit mAb (S-1489-86)	Hu	WB
	mAb	S0B0597	Phospho-mTOR (Ser2448) Recombinant Rabbit mAb (S-7057-R)	Hu	WB
	mAb	S0B6172	Phospho-NAK/TBK1 (Ser172) Recombinant Rabbit mAb (S-3182)	Hu, Ms, Rt	IHC-P, WB
	mAb	S0B1233	Phospho-NF- $\kappa$ B p105/p50 (Ser337) Recombinant Rabbit mAb (S-1127-19)	Hu, Ms, Rt	WB
	mAb	S0B1284	Phospho-NF- $\kappa$ B p105 (Ser932) Recombinant Rabbit mAb (S-1146-117)	Ms, Rt	WB
	mAb	S0B1210	Phospho-NF- $\kappa$ B p65 (S529) Recombinant Rabbit mAb (S-1125-59)	Hu	WB
	mAb	S0B1280	Phospho-NF- $\kappa$ B p65 (Ser468) Recombinant Rabbit mAb (S-1124-133)	Hu	IP, WB
	mAb	S0B1035	Phospho-NF- $\kappa$ B p65 (Ser536) Recombinant Rabbit mAb (S-1389-148)	Hu, Ms	WB
	mAb	S0B6001	Phospho-NRF2 (Ser40) Recombinant Rabbit mAb (S-1720-97)	Hu	IHC-P, WB
	mAb	S0B0897	Phospho-p38 MAPK (Tyr182) Recombinant Rabbit mAb (S-617-138)	Hu, Ms	IP, WB, ICC
	mAb	S0B0902	Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) Recombinant Rabbit mAb (S-602-276)	Hu, Ms, Rt	IP, WB <span style="color: red; font-weight: bold;">Hot</span>
	pAb	S0B1438	Phospho-p53 (Ser15) Rabbit Polyclonal Antibody	Hu	WB, ICC
	mAb	S0B0784	Phospho-p70 S6 Kinase (Ser371) Recombinant Rabbit mAb (S-1239-6)	Hu	IP, WB
	mAb	S0B1103	Phospho-p90 RSK (T359/S363) Recombinant Rabbit mAb (S-985-212)	Hu	WB
	mAb	S0B1067	Phospho-PAK2 (Ser20) Recombinant Rabbit mAb (S-507-231)	Hu, Ms, Rt	IP, WB, ICC
	mAb	S0B1187	Phospho-PDHA1 (S293) Recombinant Rabbit mAb (S-1729-25)	Hu, Ms, Rt	IHC-P, WB
	mAb	S0B1029	Phospho-PDK1/PDK1-S241 Recombinant Rabbit mAb (S-1426-93)	Ms	WB
	mAb	S0B1456	Phospho-PERK (Thr980) Recombinant Rabbit mAb (S-1801-106)	Hu	WB
	mAb	S0B1427	Phospho-PKC $\zeta$ (Thr505) Recombinant Rabbit mAb (S-1668-89)	Hu	WB
	mAb	S0B1484	Phospho-PKR (Thr446) Recombinant Rabbit mAb (S-771-17)	Hu	WB, ICC
	mAb	S0B0850	Phospho-PLC $\gamma$ 1 (Tyr783) Recombinant Rabbit mAb (S-1184-12)	Hu	WB, ICC
	mAb	S0B0898	Phospho-PRAS40 (T246) Recombinant Rabbit mAb (S-977-7)	Hu	WB, ICC
	mAb	S0B0977	Phospho-PTEN (S380) Recombinant Rabbit mAb (S-1165-163)	Hu, Ms, Rt	IP, WB, IFCM, ICC
mAb	S0B1326	Phospho-RAB10 (Thr73) Recombinant Rabbit mAb (S-1687-8)	Hu	WB	

Modifications	Category	Cat. No.	Product Name	Reactivity	Application
Phosphorylation	mAb	S0B6076	Phospho-Rb (Ser807/811) Recombinant Rabbit mAb (S-2215-52)	Hu, Ms, Rt	IHC-P, WB, ICC
	mAb	S0B1435	Phospho-RIP. (Ser166) Recombinant Rabbit mAb (S-1843-37)	Hu	WB
	mAb	S0B6077	Phospho-RIP3 (Ser232) Recombinant Rabbit mAb (S-1134-6)	Ms	WB
	mAb	S0B0282	Phospho-S6 Ribosomal Protein (Ser235/236) Recombinant Rabbit mAb (S-R203)	Hu, Ms, Rt	IP, WB, ICC
	mAb	S0B0978	Phospho-S6 Ribosomal Protein (Ser240/244) Recombinant Rabbit mAb (S-R248)	Ms, Rt	IP, WB, ICC
	mAb	S0B1093	Phospho-SHP-2 (Tyr542) Recombinant Rabbit mAb (S-1254-13)	Hu, Ms, Rt	IP, WB
	mAb	S0B0832	Phospho-SRC (Tyr419) Recombinant Rabbit mAb (S-1182-5)	Hu	IP, WB
	mAb	S0B1068	Phospho-Src Family (Tyr416) Recombinant Rabbit mAb (S-1556-29)	Hu, Ms	WB, ICC
	mAb	S0B0748	Phospho-Stat1 (Tyr701) Recombinant Rabbit mAb (S-601-178)	Hu	WB, ICC
	mAb	S0B6117	Phospho-Stat2 (Tyr690) Recombinant Rabbit mAb (S-2257-4)	Hu	WB
	mAb	S0B1290	Phospho-Stat3 (Ser727) Recombinant Rabbit mAb (S-1439-42)	Hu	IP, WB
	mAb	S0B1411	Phospho-Stat3 (Tyr705) Recombinant Rabbit mAb (S-1829-143)	Hu	IP, WB
	mAb	S0B1094	Phospho-Stat3 (Tyr705) Recombinant Rabbit mAb (S-515-360)	Hu	IP, WB
	mAb	S0B0851	Phospho-Stat5 (Tyr694) Recombinant Rabbit mAb (S-1183-58)	Hu	IP, WB, IFCM, ICC
	mAb	S0B6101	Phospho-Stat6 (Tyr641) Recombinant Rabbit mAb (S-1440-135)	Hu, Ms, Rt	WB, ICC
	mAb	S0B6157	Phospho-STING (Ser366) Recombinant Rabbit mAb (S-2243-62)	Hu	WB
	mAb	S0B1036	Phospho-Syk (Tyr525/526) Recombinant Rabbit mAb (S-1245-113)	Hu	IP, WB, ICC
	mAb	S0B0903	Phospho-TAK1 (Ser439) Recombinant Rabbit mAb (S-1136-46)	Hu	IP, WB
	mAb	S0B1463	Phospho-TGF $\beta$ Receptor I(Ser165) Recombinant Rabbit mAb (S-1896-21)	Hu, Ms	WB, ICC
	mAb	S0B1188	Phospho-Tuberin (T1462) Recombinant Rabbit mAb (S-987-126)	Hu	WB
	mAb	S0B6097	Phospho-Vimentin (Ser56) Recombinant Rabbit mAb (S-2135-5)	Hu	WB
	mAb	S0B1479	Phospho-YAP (Ser127) Recombinant Rabbit mAb (S-1364-28)	Hu	WB
	mAb	S0B0284	RNA polymerase II CTD repeat YSPTSPS (phos-pho S2) Recombinant Rat mAb (S-R199)	Hu, Ms, Rt	ICC, IHC-P, IF, WB, ChIP
	mAb	S0B6156	RNA polymerase II CTD repeat YSPTSPS (phos-pho S5) Recombinant Rabbit mAb (S-2410-79)	Hu, Ms, Rt	WB, ICC
	mAb	S0B0285	RNA polymerase II CTD repeat YSPTSPS (phos-pho S7) Recombinant Rat mAb (S-R198)	Hu, Ms, Rt	ICC, IP, WB, ChIP
	mAb	S0B0948	SMAD3 (phospho S423+ S425) Recombinant Rabbit mAb (S-541-321)	Hu	IP, WB
	mAb	S0B0687	Tau (phospho S202+T205) Recombinant Mouse mAb (AT8)	Ms	IHC-P, WB
	mAb	S0B1481	Tau (phospho S214) Recombinant Rabbit mAb (S-1032-326)	Ms	WB
	mAb	S0B1194	Tau (phospho S396) Recombinant Rabbit mAb (S-1016-38)	Hu, Ms	WB
	mAb	S0B0462	Tau (phospho S396) Recombinant Rabbit mAb (S-R276)	Ms	WB
	mAb	S0B0736	Tau (phospho S404) Recombinant Rabbit mAb (S-982-20)	Ms	WB
	mAb	S0B1195	Tau (phospho T212/S214) Recombinant Rabbit mAb (S-1538-74)	Hu, Ms, Rt	WB
mAb	S0B0054	Tau (phospho T231) Recombinant Rabbit mAb (SDT-177-1)	Ms	IP, WB	

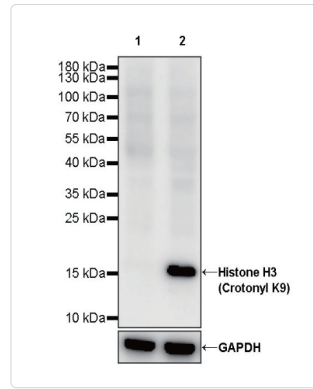
## ► Performance Data:



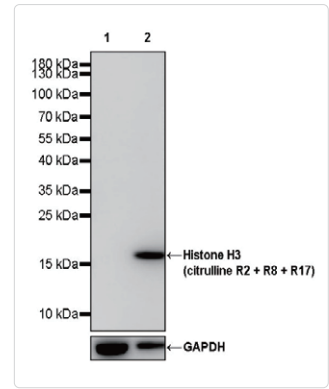
Histone H3 (acetyl K18)  
(Cat. No.: S0B1154)



Histone H3 (Lactyl K9)  
(Cat. No.: S0B0756)



Histone H3 (Crotonyl K9)  
(Cat. No.: S0B0879)



Histone H3  
(citrulline R2 + R8 + R17)  
(Cat. No.: S0B1423)

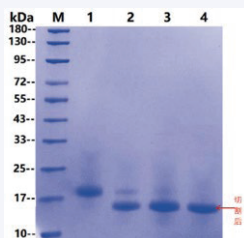
## Site-Specific Modification Antibody Sets

Modification	Cat. No.	Product Name	Reactivity	Application	Targets
Histone H3 Methylation	S0M1011	Methyl Histone H3 Antibody MiniAb Set	Hu, Ms	WB	Histone H3(mono methyl K9), Histone H3(mono methyl K79), Histone H3(mono methyl K36), Histone H3(mono methyl K23), Histone H3
Histone H3 Lactylation	S0M1014	Lactyl Histone H3 Antibody MiniAb Set	Hu	WB	Histone H3(Lactyl K9), Histone H3
Histone H3 Multi-Methylation	S0M1012	Multi-methyl Histone H3 Antibody MiniAb Set	Hu	WB	Histone H3 (di+tri methyl K79), Histone H3(di methyl K9), Histone H3(di methyl K56), Histone H3(di methyl K14), Histone H3
Histone H3 Crotonylation	S0M1013	Crotonyl Histone H3 Antibody MiniAb Set	Hu	WB	Histone H3 (Crotonyl K9), Histone H3 (Crotonyl K18 + K23), Histone H3
Histone H4 Acetylation	S0M1015	Acetyl Histone H4 Antibody MiniAb Set	Hu, Ms, Rt	WB	Histone H4(acetyl K5+K8+K12+K16), Histone H4(acetyl K5), Histone H4
Histone H4 Propionylation	S0M1016	Propionyl Histone H4 Antibody MiniAb Set	Hu, Ms, Rt	WB	Propionyl-Histone H4(Lys5), Histone H4
Modified Human Histone H3	S0M1018	Modified human Histone H3 Antibody MiniAb Set	Hu	WB	Histone H3(acetyl K9), Histone H3(Crotonyl K9), Histone H3(di methyl K9), Histone H3 (Lactyl K9), Histone H3(mono methyl K9)

## Proteases For LC-MS/MS Pretreatment

### PNGase F (Cat. No.: UA070014)

Efficient removal of N-glycans from antibodies/proteins



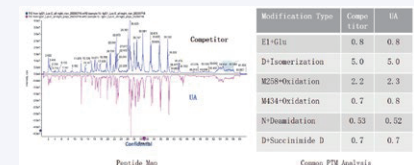
### Trypsin, Mass Spectrometry Grade (Cat. No.: UA070014)

Specific activity  $\geq 6800$  USP/mg;  
The sequence coverage of the BSA sample after trypsin digestion and LC-MS/MS analysis was 99.7%.

Key metrics of enzyme digestion efficiency			
Source of enzyme	Peptide number	peptides with $\leq 3$ missed cleavages (%)	BSA sequence coverage (%)
Competitor P	5091	90.85	96.4
Competitor Y	8053	92.81	95.4
UA070130	5334	91.03	97.7

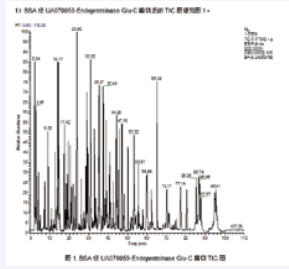
### Recombinant Lys-C, Mass spectrometry grade (Cat. No.: UA070093)

It can be used alone or in combination with trypsin to identify a greater number of proteins and phosphorylation sites.



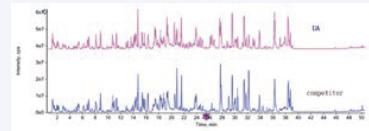
### Endoproteinase Glu-C (Cat. No.: UA070059)

The sequence coverage of the BSA sample after Glu-C enzymatic hydrolysis and LC-MS/MS analysis was 98.3%.



### Recombinant Human $\alpha$ -Chymotrypsin, Mass Spectrometry Grade (Cat. No.: UA070117)

Particularly suitable for membrane protein analysis



Brand	Sequence coverage %	
	sample 1	sample 2
UA	76.6	95.4
competitor	72.7	95.4

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