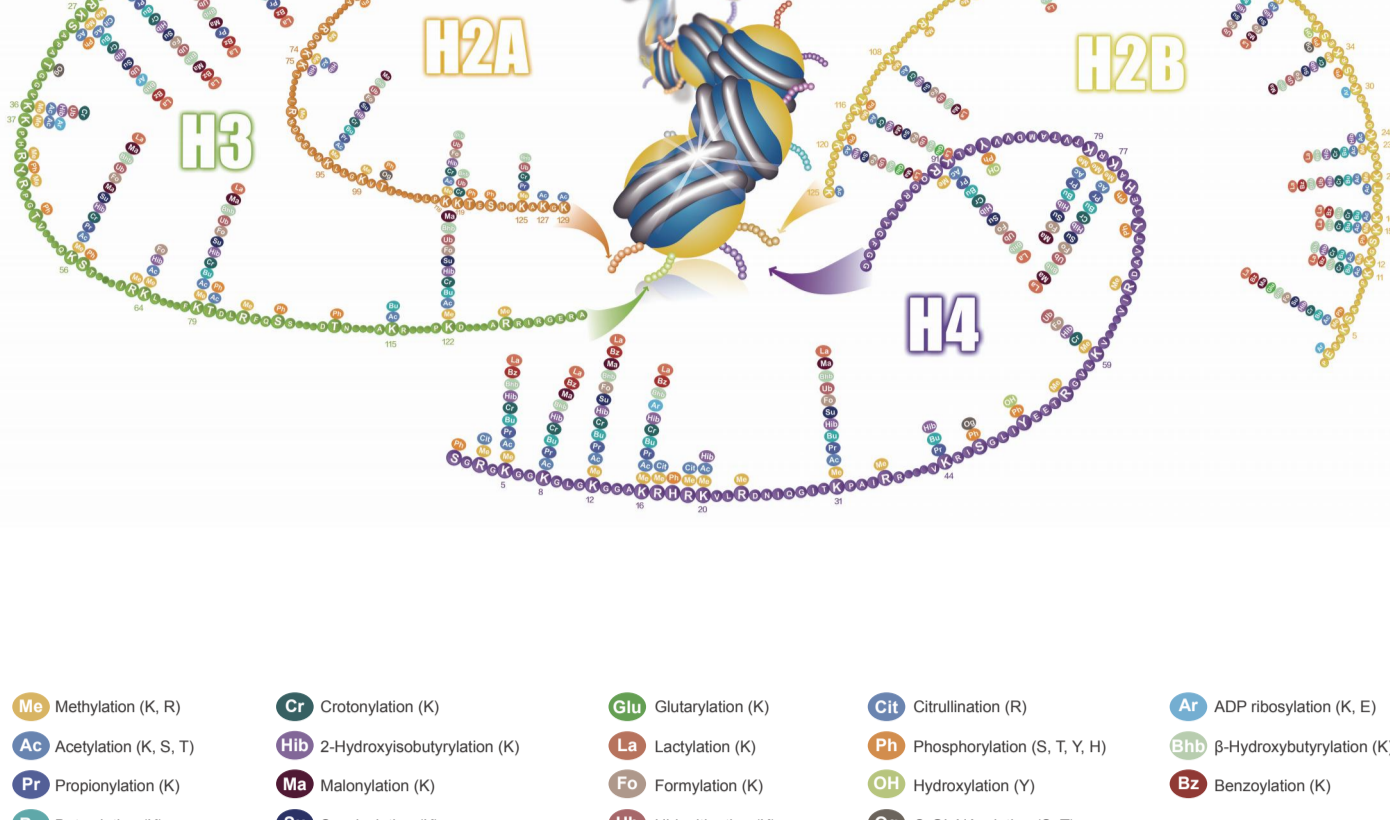


Antibodies for Epigenetic Research

Expert in PTM Antibodies



- M** Methylation (K, R)
- Ac** Acetylation (K, S, T)
- Pr** Propionylation (K)
- B** Butyrylation (K)
- Cr** Crotonylation (K)
- Hib** 2-Hydroxyisobutyrylation (K)
- Ma** Malonylation (K)
- Su** Succinylation (K)
- Glu** Glutarylation (K)
- La** Lactylation (K)
- Fr** Formylation (K)
- Ub** Ubiquitination (K)
- Cit** Citrullination (R)
- Ph** Phosphorylation (S, T, Y, H)
- Hy** Hydroxylation (Y)
- O-GlcNAc** O-GlcNAcylation (S, T)
- ADP** ADP ribosylation (K, E)
- Hib** β-Hydroxybutyrylation (K)
- Bz** Benzoylation (K)

Selected Case Studies

Molecular Cell Article

Dynamic Competing Histone H4 K5K8 Acetylation and Butyrylation Are Hallmarks of Highly Active Gene Promoters

Journal	IF	PMID	Reactivity	Applications	Antibody Cited
Mol Cell	17.9	27105113	Mouse	IHC/IF/WB/ChIP	PTM-311 (H4K8Bu)

nature COMMUNICATIONS

KMT5A-methylated SNIP1 promotes triple-negative breast cancer metastasis by activating YAP signaling

Journal	IF	PMID	Reactivity	Applications	Antibody Cited
Nat Commun	17.7	35449131	Human	ChIP	PTM-412 (H3K79su)

BMC Part of Springer Nature

Genome Biology

H3K18 lactylation marks tissue-specific active enhancers

Journal	IF	PMID	Reactivity	Applications	Antibody Cited
Genome Biology	18.1	36192798	Mouse	WB/CUT&Tag	PTM-1406 (H3K18la)

nature

Metabolic regulation of gene expression by histone lactylation

Journal	IF	PMID	Reactivity	Applications	Antibody Cited
Nature	69.5	31645732	Human/Mouse	WB/ChIP	PTM-1401 (Kla); PTM-101 (Kac); PTM-1406RM (H3K18la)

Featured Products

PTM Type	Catalog Number	Product Name	Applications	Reactivity	
L-Lactylation	PTM-1419RM	Anti-Lactyl-Histone H3 (Lys9) Rabbit mAb	WB/IHC-P/ICC/IF/ChIP	H, M, R	
	PTM-1414RM	Anti-Lactyl-Histone H3 (Lys14) Rabbit mAb	WB/ICC/IF/ChIP	H, M, R	
	PTM-1406RM	Anti-Lactyl-Histone H3 (Lys18) Rabbit mAb	WB/IHC-P/ICC/IF/IP	H, M, R	
	PTM-1427RM	Anti-Lactyl-Histone H3 (Lys18) Rabbit mAb-ChIP Grade	WB/ChIP/CUT&Tag	H, M	
	PTM-1428	Anti-Lactyl-Histone H3 (Lys27) Rabbit pAb	WB	H, M	
	PTM-1421RM	Anti-Lactyl-Histone H3 (Lys56) Rabbit mAb	WB/FC	H	
	PTM-1411RM	Anti-Lactyl-Histone H4 (Lys12) Rabbit mAb	WB/IHC-P/ICC/IF/ChIP	H, M, R	
	PTM-1417RM	Anti-Lactyl-Histone H4 (Lys16) Rabbit mAb	WB/IHC-P/ICC/IF/ChIP	H, M, R	
	PTM-1407RM	Anti-Lactyl-Histone H4 (Lys5) Rabbit mAb	WB/IHC-P/ICC/IF/FC/IP	H, M, R	
Crotonylation	PTM-1415RM	Anti-Lactyl-Histone H4 (Lys8) Rabbit mAb	WB/ChIP/CUT&Tag	H, M, R	
	PTM-535RM	Anti-Crotonyl-Histone H3 (Lys14) Rabbit mAb	WB/IHC-P/ChIP	H, M, R	
	PTM-540	Anti-Crotonyl-Histone H3 (Lys18) Mouse mAb	WB/IHC-P/ChIP	H, M, R	
	PTM-545RM	Anti-Crotonyl-Histone H3 (Lys27) Rabbit mAb	WB/ICC/IF/ChIP	H, M, R	
	PTM-527	Anti-Crotonyl-Histone H3 (Lys4) Mouse mAb	WB/ChIP	H, M, R	
	PTM-539	Anti-Crotonyl-Histone H3 (Lys9) Mouse mAb	WB/ChIP	H, M, R	
	PTM-530	Anti-Crotonyl-Histone H4 (Lys12) Mouse mAb	WB/ChIP	H, M, R	
	2-Hydroxyisobutyrylation	PTM-854	Anti-2-Hydroxyisobutyryl-Histone H4 (Lys5) Mouse mAb	WB/ChIP	H, M, R
		PTM-805	Anti-2-Hydroxyisobutyryl-Histone H4 (Lys8) Rabbit pAb	WB/ICC/IF	H, M, R
PTM-841RM		Anti-2-Hydroxyisobutyryl-Histone H3 (Lys14) Rabbit mAb	WB	H, M, R	
PTM-882		Anti-2-Hydroxyisobutyryl-Histone H3 (Lys18) Mouse mAb	WB/IHC-P/ChIP/ICC/IF	H, M, R	
PTM-843RM		Anti-2-Hydroxyisobutyryl-Histone H3 (Lys23) Rabbit mAb	WB/ICC/IF	H, M, R	
β-Hydroxybutyrylation	PTM-1293	Anti-β-Hydroxybutyryl-Histone H3 (Lys27) Mouse mAb	WB	H, M, R	
	PTM-1296	Anti-β-Hydroxybutyryl-Histone H3 (Lys4) Mouse mAb	WB/IP	H, M, R	
	PTM-1250RM	Anti-β-Hydroxybutyryl-Histone H3 (Lys9) Rabbit mAb	WB/IHC-P/ChIP	H, R	
	PTM-1206RM	Anti-β-Hydroxybutyryl-Histone H4 (Lys12) Rabbit mAb	WB/ICC/IF/ChIP	H	
Succinylation	PTM-413	Anti-Succinyl-Histone H3 (Lys122) Rabbit pAb	WB	H, M, R	
	PTM-422	Anti-Succinyl-Histone H3 (Lys23) Mouse mAb	WB/IHC-P/ChIP	H, M, R	
Butyrylation	PTM-312	Anti-Butyryl-Histone H3 (Lys9) Mouse mAb	WB/ChIP/ICC/IF	H, M, R	
Propionylation	PTM-215	Anti-Propionyl-Histone H3 (Lys14) Mouse mAb	WB	H, M, R	
	PTM-208	Anti-Propionyl-Histone H3 (Lys23) Mouse mAb	WB/IHC-P/ChIP	H, M, R	
Acetylation	PTM-158	Anti-Acetyl-Histone H3 (Lys18) Mouse mAb	WB/IHC-P/ICC/IF/ChIP	H, M, R	
	PTM-116RM	Anti-Acetyl-Histone H3 (Lys27) Rabbit mAb	WB/IP/ICC/IF	H, M, R	
	PTM-117	Anti-Acetyl-Histone H3 (Lys36) Rabbit pAb	WB/IHC-P/ICC/IF/ChIP	H, M, R	
	PTM-112RM	Anti-Acetyl-Histone H3 (Lys9) Rabbit mAb	WB/IHC-P/ChIP/CUT&Tag	H, M, R	
	PTM-124	Anti-Acetyl-Histone H3 (Lys4) Rabbit pAb	WB/ChIP	H, M, R	
Ubiquitination	PTM-1120	Anti-Ubiquitin-Histone H2B (Lys120) Mouse mAb	WB	H, M, R	
Methylation	PTM-5312	Anti-Di-Methyl-Histone H3 (Lys27) Mouse mAb	WB/IHC-P/ChIP	H, M, R	
	PTM-662	Anti-Di-Methyl-Histone H3 (Lys36) Mouse mAb	WB/IHC-P/ChIP	H, M, R	
	PTM-641	Anti-Di-Methyl-Histone H3 (Lys4) Mouse mAb	WB/IHC-P/ICC/IF/ChIP	H, M, R	
	PTM-627RM	Anti-Di-Methyl-Histone H3 (Lys56) Rabbit mAb	WB/IHC-P/ICC/IF/IP/ChIP	H, M, R	
	PTM-638RM	Anti-Tri-Methyl-Histone H3 (Lys23) Rabbit mAb	WB/FC/ChIP/IP	H, M, R	
	PTM-5002	Anti-Tri-Methyl-Histone H3 (Lys27) Mouse mAb	WB/IHC-P/ICC/IF/ChIP	H, M, R	
	PTM-625RM	Anti-Tri-Methyl-Histone H3 (Lys36) Rabbit mAb	WB/IHC-P	H, M, R	
	PTM-5019	Anti-Tri-Methyl-Histone H3 (Lys4) Mouse mAb	WB/ChIP	H, M, R	
	PTM-616	Anti-Tri-Methyl-Histone H3 (Lys9) Rabbit pAb	WB/IHC-P/ICC/IF	H, M, R	
Phosphorylation	PTM-650RM	Anti-Asymmetric Di-Methyl-Histone H3 (Arg17) Rabbit mAb	WB/ChIP	H, M, R	
	PTM-668	Anti-Asymmetric Di-Methyl-Histone H3 (Arg2) Mouse mAb	WB/IHC-P/ChIP/ICC/IF	H, M, R	
	PTM-756	Anti-Phospho-Histone H3 (Ser28) Mouse mAb	WB/ChIP	H, M, R	
	PTM-710	Anti-Phospho-Histone H3 (Thr3) Rabbit pAb	WB/IP	H, M, R	
	PTM-724RM	Anti-Phospho-Histone H3 (Thr45) Rabbit mAb	WB	H	

CUT&Tag Antibodies NEW~

PTM-1427RM
Anti-L-Lactyl-Histone H3 (Lys18) Rabbit mAb-ChIP Grade

Sample: HeLa + sodium lactate (100 mM, 24 hr)
Cell count: 1 × 10⁶
Primary antibody dilution: 1:100
Primary antibody incubation: 4°C overnight
Secondary antibody: 1:1400 (PTM-6252)

PTM-1415RM
Anti-L-Lactyl-Histone H4 (Lys8) Rabbit mAb

Sample: HeLa + sodium lactate (100 mM, 24 hr)
Cell count: 1 × 10⁶
Primary antibody dilution: 1:100
Primary antibody incubation: 4°C overnight
Secondary antibody: 1:1400 (PTM-6252)

Featured Antibodies

Function	Catalog Number	Product Name	Applications	Reactivity	
Histone deacetylase	PTM-6409	Anti-HDAC1 Rabbit mAb	WB, IHC-P, ICC, IF, IP	H, M, R	
	PTM-7219	Anti-HDAC2 Mouse mAb	WB	H, M, R	
	PTM-6070	Anti-HDAC3 Mouse mAb	WB, IHC-P	H, R	
	PTM-5551	Anti-HDAC4 Rabbit mAb	WB	H, M, R	
	PTM-6669	Anti-HDAC6 Rabbit mAb	WB, IHC-P	H	
	PTM-5172	Anti-HDAC8 Mouse mAb	WB	H	
	PTM-6006	Anti-HDAC10 Mouse mAb	WB, ICC, IF	H, R	
	PTM-5021	Anti-SIRT1 Mouse mAb	WB, IHC-P, ICC, IF	H, M	
	PTM-6043	Anti-SIRT3 Mouse mAb	WB, IHC-P, ICC, IF	H	
	PTM-6462	Anti-SIRT3 Rabbit mAb	WB	H	
	PTM-7223	Anti-SIRT5 Rabbit mAb	WB, IHC-P	H, M, R	
	PTM-6658	Anti-SIRT6 Rabbit mAb	WB	H, M, R	
	PTM-7231	Anti-SIRT7 Rabbit mAb	WB	M, R	
	Histone acyltransferase	PTM-5115	Anti-GCN5 Mouse mAb	WB, ICC, IF	H, M, R
		PTM-5195	Anti-HAT1 Mouse mAb	WB, IHC-P, ICC, IF	H, M, R
PTM-5711		Anti-PCAF Rabbit mAb	WB	H	
PTM-5281		Anti-CBP Rabbit mAb	WB, ICC, IF	H, R	

Stringent Verification & Quality Assurance

Outstanding Specificity

Stable Batch-to-Batch Consistency

Anti-Tri-Methyl-Histone H3 (Lys23) Rabbit pAb (PTM-638) exhibited reliable and consistent performance across different batches, namely Lot L040616 and L050924, in ChIP experiments conducted on HeLa cells.

Extremely High Sensitivity

PTM BIO stands as a pioneer in the realm of proteomics, featuring an integrated business model that encompasses research, production, and service excellence. Our crowning achievement, PTMab® is an exceptional antibody brand crafted by PTM BIO's antibody division, established in 2010. We are dedicated to delivering premium antibody reagents and custom antibody services to a global community of researchers, pharmaceutical entities, and in vitro diagnostic customers. The PTMab® product portfolio comprises pan PTM antibodies, histone modification antibodies, site-specific antibodies, and recombinant proteins, addressing a wide range of scientific fields including epigenetics, tumor immunology, developmental and metabolic research, neuroscience, and in vitro diagnostics.