



Histone H4 (Acetyl Lys92) mouse mAb

Isotype IgG		
Reactivity Human;Mouse;Rat Applications WB Gene Name HIST1H4A H4/A H4FA; HIST1H4B H4/I H4FI; HIST1H4C H4/G H4FG; HIST1H4D H4/B H4FB; HIST1H4E H4/J H4FJ; HIST1H4F H4/C H4FC; HIST1H4H H4/H H4FH; HIST1H4I H4/M H4FM; HIST1H4J H4/FE H4FE; HIST1H4H H4/H H4FH; HIST1H4I H4/M H4FK; HIST2H4A H4/N H4FZ H4FN HIST2H4; HIST2H4B H4/O H4FO; HIST4H4 Protein Name Histone H4 (Acetyl Lys92) Immunogen Synthesized peptide derived from human Histone H4 (Acetyl Lys92) Specificity This antibody detects endogenous levels of Human,Mouse,Rat Histone H4 (Acetyl Lys92) Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse,IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Histone H4 Observed Band 12kD Cell Pathway Nucleus. Chromosome. Tissue Specificity Function DNA packaging, chromatin organization, chromatin assembly or disassembly, nucleosome assembly, intracellular signaling cascade, second-messenger-mediated signaling, chromatin assembly, cellular macromolecular complex assembly, nucleosome organization, neglutar macromolecular complex subunit organization, neglutation of grediction, regulation of grediction, regulation of myeloid cell differentiation, regulation of ormaline assembly macromodecular complex subunit organization programma control myeloid cell differentiation.	Catalog No	BYmab-00899
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Immunogen Synthesized peptide derived from human Histone H4 (Acetyl Lys92) Specificity This antibody detects endogenous levels of Human,Mouse,Rat Histone H4 (Acetyl Lys92) Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse,IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Histone H4 Observed Band 12kD Cell Pathway Nucleus. Chromosome. Tissue Specificity Function DNA packaging, chromatin organization, chromatin assembly, ordisassembly, nucleosome assembly, intracellular signaling cascade, second-messenger-mediated signaling, chromatin assembly, cellular macromolecular complex assembly, nucleosome organization, macromolecular complex subunit organization, negative regulation of feel differentiation, regulation of organization, regulation or organization, regulation or organization, regulation of myeloid cell	Gene Name	HIST1H4D H4/B H4FB; HIST1H4E H4/J H4FJ; HIST1H4F H4/C H4FC; HIST1H4H H4/H H4FH; HIST1H4I H4/M H4FM; HIST1H4J H4/E H4FE; HIST1H4K H4/D H4FD; HIST1H4L H4/K H4FK; HIST2H4A H4/N H4F2 H4FN
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Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Histone H4 Observed Band 12kD Cell Pathway Nucleus. Chromosome. DNA packaging, chromatin organization, chromatin assembly or disassembly, nucleosome assembly, intracellular signaling cascade, second-messenger-mediated signaling, chromatin assembly, cellular macromolecular complex assembly, nucleosome organization, macromolecular complex subunit organization, regulation of myeloid cell differentiation, regulation of myeloid cell differentiation.	Immunogen	Synthesized peptide derived from human Histone H4 (Acetyl Lys92)
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differentiation, phosphoinositide-mediated signaling, chromosome organization, macromolecular complex assembly, protein-DNA complex assembly,

Background

function:Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.,PTM:Acetylation at Lys-6, Lys-9, Lys-13 and Lys-17 occurs in coding regions of the genome but not in heterochromatin.,PTM:Citrullination at Arg-4 by PADI4 impairs methylation.,PTM:Monomethylated, dimethylated or trimethylated at Lys-21. Monomethylation is performed by SET8. Trimethylation is performed by SUV420H1 and SUV420H2 and induces gene silencing.,PTM:Monomethylation at Arg-4 by PRMT1 favors acetylation at Lys-9 and Lys-13. Demethylation is performed by JMJD6.,PTM:Sumoylated, which is associated with transcriptional repression.,PTM:Ubiquitinated by the CUL4-DDB-RBX1 complex in response to ultraviolet irradiation. This may weaken the interaction between histones and DNA and facilitate DNA accessibility to repair proteins.,similarity:Belongs to the histone H4 family.,subunit:The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers. The octamer wraps approximately 147 bp of DNA.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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