



Histone H4 (Acetyl Lys12) Monoclonal Antibody

Reactivity Human;Mouse;Rat;Monkey Applications WB Gene Name HIST1H4A/HIST1H4B/HIST1H4C/HIST1H4D/HIST1H4E/HIST1H4H/IST1H4H/HIST1H4H/HIST1H4L/HIST2H4A/HIST2H4B/HIST2H4B/HIST4H4H Protein Name Histone H4 Immunogen The antiserum was produced against synthesized peptide derived from human Histone H4 around the acetylated site of Lys12. AA range:10-59 Specificity Acetyl-Histone H4 (K12) Monoclonal Antibody detects endogenous levels of Histone H4 protein only when acetylated at K12. 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 HIST1H4A; H4/A; H4FA; H4FA; HIST1H4B; H4/I; H4FI; HIST1H4C; H4/G; H4FC; HIST1H4H; H4/H; H4/F; H4FF; HIST1H4L; H4/M; H4FF; H4/C; H4/F; H4FE; HIST1H4H; H4/M; H4FF; H4/F; H4FE; H4FE; H1ST1H4H; H4/M; H4FF; H4/F; H4FF; H4/F; H4FF; H4/F; H4FF; H4/F;	Catalog No	BYmab-00841
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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; H4FK; H4K12AC Observed Band 11kD Cell Pathway Nucleus. Chromosome. B-cell lymphoma,Bone marrow,Brain,Clones donated by HIP,Corpus call 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,	Storage Stability	-20°C/1 year
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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 p
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Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq, Aug 2015],

matters needing attention

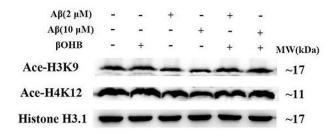
Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images

Western Blot analysis of various cells using Histone H4 (Acetyl Lys12) Monoclonal Antibody



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