

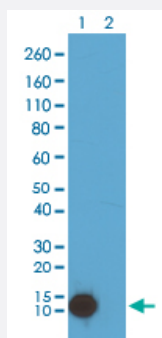
RecomAb™

Histone H4 (acetyl K5) monoclonal antibody, clone RM199

Catalog # MAB12785

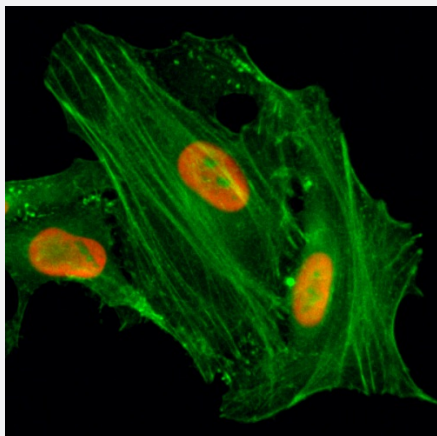
Size 100 ug

Applications



Western Blot

Western blot analysis of Lane 1: acid extracts of HeLa cell and Lane 2: recombinant Histone H4 with Histone H4 (acetyl K5) monoclonal antibody, clone RM199 (Cat # MAB12785) at 0.2 ug/mL working concentration, showed a band of Histone H4 acetylated at Lysine 5.



Immunocytochemistry

Immunocytochemical staining of HeLa cells treated with sodium butyrate, using Histone H4 (acetyl K5) monoclonal antibody, clone RM199 (Cat# MAB12785) (red). Actin filaments have been labeled with fluorescein phalloidin (green).

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Histone H4 (acetyl K5) monoclonal antibody, clone RM199 (Cat# MAB12785) specifically reacts to Histone H4 acetylated at Lysine 5 (K5ac). No cross reactivity with unmodified Lysine 5 (K5 ctrl), acetylated Lysine 8 (K8ac), Lysine 12 (K12ac), Lysine 16 (K16ac), Lysine 20 (K20ac), Lysine 31 (K31ac), or Lysine 91 (K91) in Histone H4.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human histone H4 (acetyl K5).
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic acetyl peptide corresponding to residues surrounding K5 of human Histone H4.
Sequence	N/A
Specificity	This antibody reacts to Histone H4 acetylated at Lysine 5. No cross reactivity with other acetylated Lysines in Histone H4.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	ELISA (0.2 ug/mL-1 ug/mL) Western Blot (0.2 ug/mL-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HIST4H4

Entrez GeneID [121504](#)

Protein Accession# [P62805](#)

Gene Name HIST4H4

Gene Alias H4/p, MGC24116

Gene Description histone cluster 4, H4

Gene Ontology [Hyperlink](#)

Gene Summary

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. [provided by RefSeq]

Other Designations histone 4, H4|histone H4

Pathway

- [Systemic lupus erythematosus](#)