

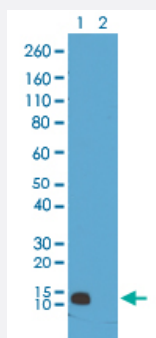
RecomAb™

Histone H4 (monomethyl R3) monoclonal antibody, clone RM195

Catalog # MAB12784

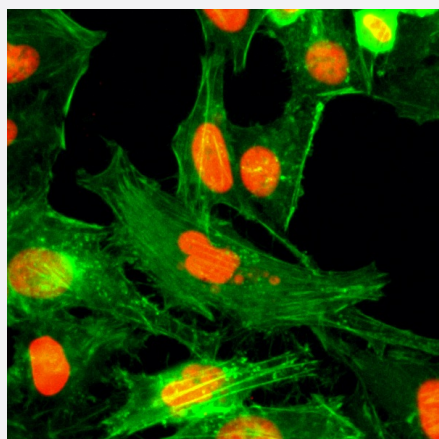
Size 100 ug

Applications



Western Blot

Western blot analysis of Lane 1: acid extracts of HeLa cell and Lane 2: recombinant Histone H4 with Histone H4 (monomethyl R3) monoclonal antibody, clone RM195 (Cat # MAB12784) at 0.5 ug/mL working concentration, showed a band of Histone H4 monomethylated at Arginine 3.



Immunocytochemistry

Immunocytochemical staining of HeLa cells treated with sodium butyrate, using Histone H4 (monomethyl R3) monoclonal antibody, clone RM195 (Cat# MAB12784) (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 (monomethyl R3) monoclonal antibody, clone RM195 (Cat# MAB12784) specifically reacts to Histone H4 mono- methylated at Arginine 3 (R3me1). No cross reactivity with unmodified Arg 3 (R3 ctrl), asymmetric dimethylated Arg 3 (R3me2a) or symmetric dimethylated Arg 3 (R3me2s), and citrullinated Arg 3 (R3Cit) in Histone H4.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human histone H4 (monomethyl R3).
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic monomethyl peptide corresponding to residues surrounding R3 of human Histone H4.
Sequence	N/A
Specificity	This antibody reacts to Histone H4 monomethylated at Arginine 3. No cross reactivity with unmodified Arginine 3, asymmetric or symmetric dimethylated Arginine 3, and citrullinated Arginine 3 in Histone H4.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	ELISA (0.2 ug/mL-1 ug/mL) Western Blot (0.5 ug/mL-2 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](#)