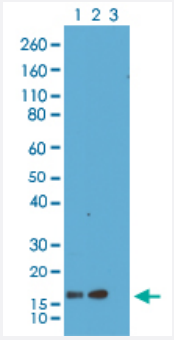
RecomAb™

Histone H3.3 monoclonal antibody, clone RM190

Catalog # MAB12805 Size 100 ug

Applications



Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate, Lane 2: recombinant Histone H3.3 and Lane 3: recombinant Histone H3.1 with Histone H3.3 monoclonal antibody, clone RM190 (Cat # MAB12805) at 1 ug/mL working concentration, showed a band of Histone H3.3 in HeLa cells and recombinant Histone H3.3; no cross activity with recombinant Histone H3.1.

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

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Histone H3.3 monoclonal antibody, clone RM190 (Cat# MAB12805) reacts specifically to Histone H3.3. No cross reactivity with Histone H3.1.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human histone H3.3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Histone H3.3.
Sequence	N/A
Specificity	This antibody reacts to Histone H3.3, independent of post-translational modifications. No cross reactivity with Histone H3.1 or other histone proteins.

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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Applications

- Western Blot

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — H3F3A

Entrez GeneID	3020
Protein Accession#	P84243
Gene Name	H3F3A
Gene Alias	H3.3A, H3F3, MGC87782, MGC87783
Gene Description	H3 histone, family 3A
Omim ID	601128
Gene Ontology	Hyperlink

Gene Summary	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chro mosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, an d 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 f unctions in the compaction of chromatin into higher order structures. This gene contains introns an d its mRNA is polyadenylated, unlike most histone genes. The protein encoded is a replication-in dependent member of the histone H3 family. [provided by RefSeq
Other Designations	OTTHUMP00000035618|OTTHUMP00000035619|OTTHUMP00000035621

Pathway

- Systemic lupus erythematosus

Disease

- Disease Progression
- Disease Susceptibility
- HIV Infections