

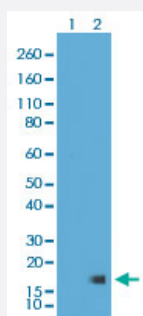
RecomAb™

Histone H3 (trimethyl K27) monoclonal antibody, clone RM175

Catalog # MAB12846

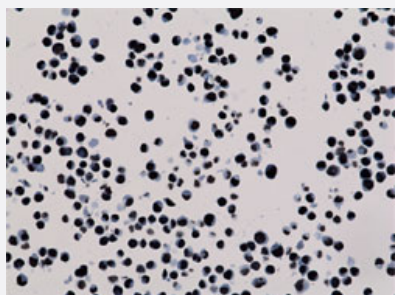
Size 100 ug

Applications



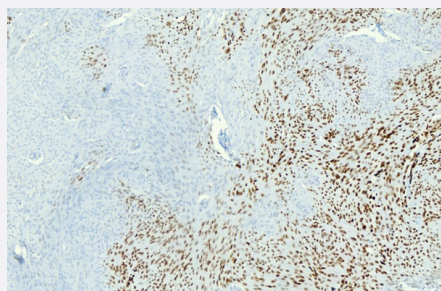
Western Blot

Western blot analysis of Lane 1: recombinant histone H3.3, Lane 2: HeLa cells using Histone H3 (trimethyl K27) monoclonal antibody, clone RM175 (Cat # MAB12846) under 1 ug/mL working concentration.



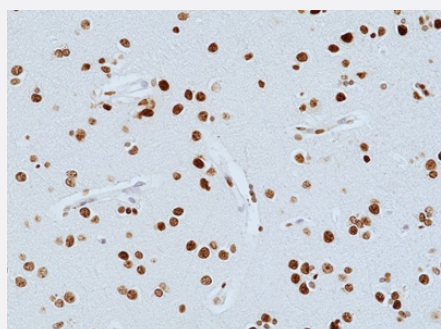
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of HepG2 cells with Histone H3 (trimethyl K27) monoclonal antibody, clone RM175 (Cat # MAB12846) under 1 ug/mL working concentration.



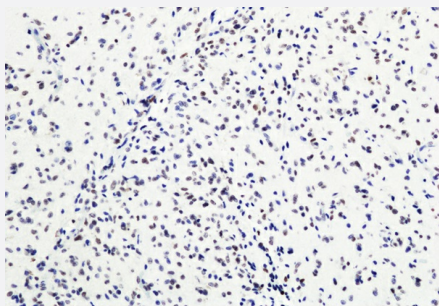
Immunohistochemistry

Immunohistochemical staining of formalin fixed and paraffin embedded human tumor tissue section using Histone H3 (trimethyl K27) monoclonal antibody, clone RM175 (Cat# MAB12846) from user review.



Immunohistochemistry

Immunohistochemical staining of formalin fixed and paraffin embedded human brain tissue section using Histone H3 (trimethyl K27) monoclonal antibody, clone RM175 (Cat# MAB12846).



Immunohistochemistry

Immunohistochemical staining of formalin fixed and paraffin embedded human glioblastoma tissue section using Histone H3 (trimethyl K27) monoclonal antibody, clone RM175 (Cat# MAB12846).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human histone H3 (trimethyl K27).
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic trimethyl peptide corresponding to residues surrounding K27 of human Histone H3.
Sequence	N/A
Reactivity	Human
Specificity	This antibody reacts to histone H3 trimethylated at Lysine 27. No cross reactivity non-modified Lysine 27, monomethylated Lysine 27 or dimethylated Lysine 27, or other methylations in histone H3.
Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG
Recommend Usage	ELISA (0.5-1 ug/mL) Immunohistochemistry (0.5-2 ug/mL) Western Blot (1-2 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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HIST1H3A

Entrez GeneID	8350
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Gene Name	HIST1H3A
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Gene Alias	H3/A, H3FA
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Gene Description	histone cluster 1, H3a
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Omim ID	602810
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Gene Ontology	Hyperlink
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Gene Summary

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq]

Other Designations

H3 histone family, member A|histone 1, H3a

Pathway

- [Systemic lupus erythematosus](#)