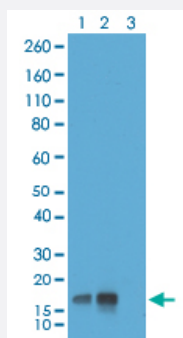


RecomAb™

Histone H3 (phospho T3) monoclonal antibody, clone RM159

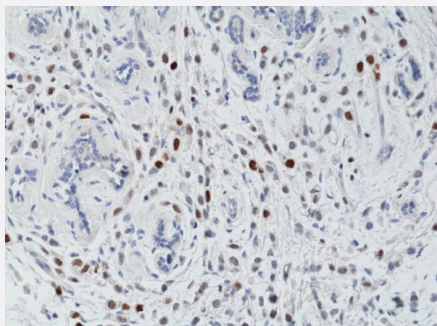
Catalog # MAB12794 Size 100 ug

Applications



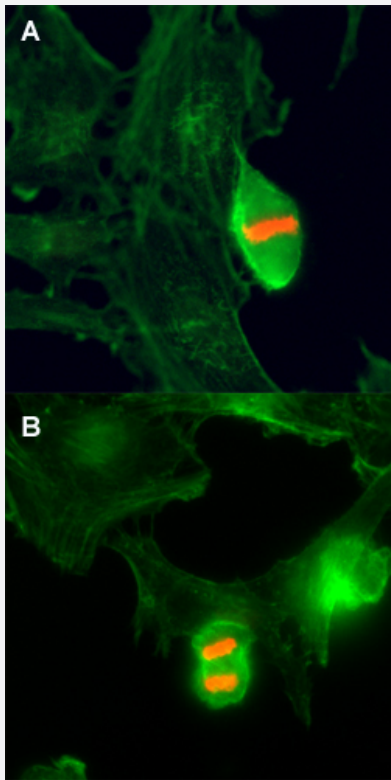
Western Blot

Western blot analysis of Lane 1: acid extracts of HeLa cell untreated, Lane 2: acid extracts of HeLa cell treated with Nocodazole and Lane 3: recombinant Histone H3.3 with Histone H3 (phospho T3) monoclonal antibody, clone RM159 (Cat # MAB12794) at 0.1 ug/mL working concentration, showed a band of Histone H3 phosphorylated at Threonine 3.



Immunohistochemistry

Immunohistochemical staining of formalin fixed and paraffin embedded human breast cancer tissue section using Histone H3 (phospho T3) monoclonal antibody, clone RM159 (Cat# MAB12794) at a 1 ug/mL.



Immunocytochemistry

Immunocytochemical staining of HeLa cells (A) (B) with Histone H3 (phospho T3) monoclonal antibody, clone RM159 (Cat # MAB12794) (Red). Actin filaments have been labeled with fluorescein phalloidin (Green).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human histone H3 (T3).
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding T3 of human Histone H3.
Sequence	N/A
Specificity	This antibody reacts to Histone H3 phosphorylated at Threonine 3. No cross reactivity with other phosphorylated histones
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	ELISA (0.2 ug/mL-1 ug/mL) Immunocytochemistry (0.5 ug/mL-2 ug/mL) Western Blot (0.1 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.

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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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HIST1H3A

Entrez GeneID [8350](#)

Protein Accession# [P84243](#)

Gene Name HIST1H3A

Gene Alias H3/A, H3FA

Gene Description histone cluster 1, H3a

Omim ID [602810](#)

Gene Ontology [Hyperlink](#)

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](#)