

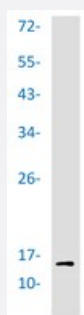
RecomAb™

Histone H3 (acetyl K14) recombinant monoclonal antibody, clone R06-2F5

Catalog # RAB04408

Size 100 uL

Applications



Western Blot

Western blot analysis of PC-12 whole cell lysate with Histone H3 (acetyl K14) recombinant monoclonal antibody, clone R06-2F5 (Cat # RAB04408).

Immunocytochemistry

Immunocytochemistry staining of HeLa cells with Histone H3 (acetyl K14) recombinant monoclonal antibody, clone R06-2F5 (Cat # RAB04408) (green). DAPI was stained the cell nucleus (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human histone H3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic acetyl peptide corresponding to residues surrounding K14 of human histone H3.
Theoretical MW (kDa)	Calculated MW: 15 kD
Reactivity	Human, Rat

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For long term storage 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

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- Immunofluorescence

- Immunoprecipitation

Gene Info — HIST1H3A

Entrez GeneID	8350
Protein Accession#	P68431
Gene Name	HIST1H3A
Gene Alias	H3/A, H3FA

Gene Description	histone cluster 1, H3a
Omim ID	602810
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	H3 histone family, member A histone 1, H3a

Pathway

- [Systemic lupus erythematosus](#)