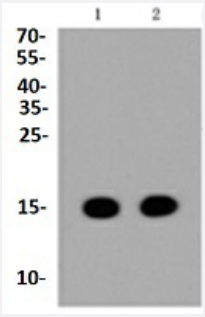
RecomAb™

H3C1 (mono-methyl K36) recombinant monoclonal antibody

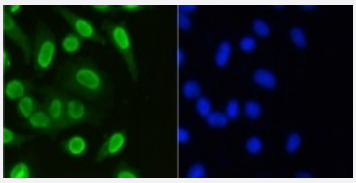
Catalog # RAB02712 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane1:Hela whole cell lysate Lane2:NIH/3T3 whole cell lysate with H3C1 (mono-methyl K36) recombinant monoclonal antibody (Cat # RAB02712) at 1:1000 dilution.



Immunocytochemistry

Immunocytochemical staining of MCF7 cells using H3C1 (mono-methyl K36) recombinant monoclonal antibody (Cat # RAB02712). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against H3C1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant H3C1.
Theoretical MW (kDa)	17
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of histone H3 only when mono-methylated at Lys36.

Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Western Blot (Cell lysate)

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Gene Info — HIST1H3A

Entrez GeneID	8350
Protein Accession#	P68431;P84243;Q16695;Q6NXT2;Q71DI3
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 chro mosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped ar ound 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, H 1, 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 t ails; instead, they contain a palindromic termination element. This gene is found in the large histon e gene cluster on chromosome 6p22-p21.3. [provided by RefSeq
Other Designations	H3 histone family, member A|histone 1, H3a

Pathway

- Systemic lupus erythematosus