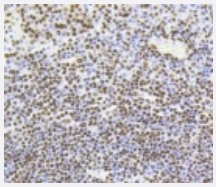
RecomAb™ Sm Size

H4C1 (Acetyl K5) recombinant monoclonal antibody

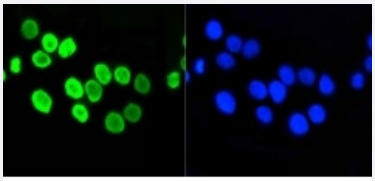
Catalog # RAB09378 Size 50 uL

Applications



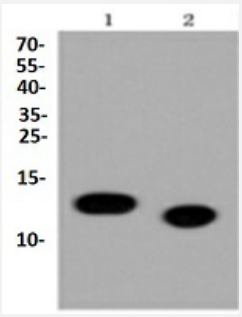
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using H4C1 (Acetyl K5) recombinant monoclonal antibody (Cat # RAB09378). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of CRC cells using H4C1 (Acetyl K5) recombinant monoclonal antibody (Cat # RAB09378)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.



Western Blot (Cell lysate)

Western blot analysis of Lane1:CRC whole cell lysate Lane2:Hela whole cell lysate with H4C1 (Acetyl K5) recombinant monoclonal antibody (Cat # RAB09378) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against H4C1.

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Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant H4C1.
Theoretical MW (kDa)	11
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of Histone H4 protein only when acetylated at Lys5.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (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.

Applications

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

  Immunohistochemical analysis of paraffin-embedded human tonsil tissue using H4C1 (Acetyl K5) recombinant monoclonal antibody (Cat # RAB09378). Counter stained with hematoxylin.

- Immunocytochemistry

  Immunocytochemical staining of CRC cells using H4C1 (Acetyl K5) recombinant monoclonal antibody (Cat # RAB09378) (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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- Western Blot (Cell lysate)

  Western blot analysis of Lane1:CRC whole cell lysate Lane2:Hela whole cell lysate with H4C1 (Acetyl K5) recombinant monoclonal antibody (Cat # RAB09378) at 1:1000 dilution.

Gene Info — HIST1H4A

Entrez GeneID	8359
Protein Accession#	P62805
Gene Name	HIST1H4A
Gene Alias	H4/a, H4FA
Gene Description	histone cluster 1, H4a
Omim ID	602822
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 is intronless and e ncodes a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6. [provided by RefSeq
Other Designations	H4 histone family, member A|histone 1, H4a

Pathway

- Systemic lupus erythematosus

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