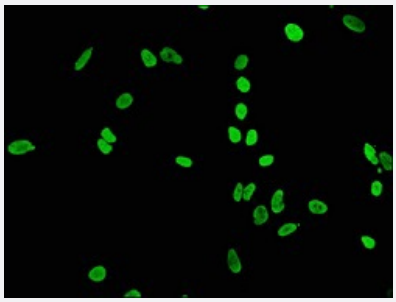
RecomAb™ Sm Size

Histone H4 (acetyl K5) recombinant monoclonal antibody, clone 2C9

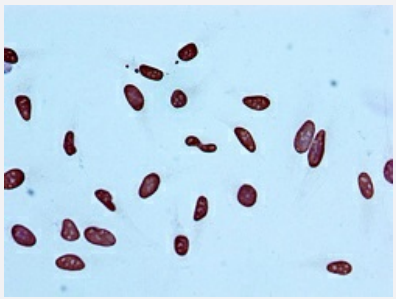
Catalog # RAB07936 Size 50 uL

Applications



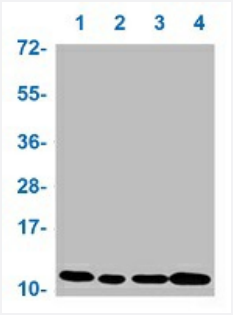
Immunofluorescence

Immunofluorescent staining of Hela cells with Histone H4 (acetyl K5) recombinant monoclonal antibody (diluated at 1:65). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



Immunocytochemistry

Immunocytochemical staining of HeLa cells with Histone H4 (acetyl K5) recombinant monoclonal antibody (dluated at 1:100).



Western Blot (Cell lysate)

Western blot analysis of
Lane 1: Hela whole cell lysate,
Lane 2: MCF-7 whole cell lysate,
Lane 3: 293 whole cell lysateand and
Lane 4: HepG2 whole cell lysatewith Histone H4 (acetyl K5) recombinant monoclonal antibody.

Specification

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Product Description	Rabbit recombinant monoclonal antibody raised against human histone H4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic acetylated peptide corresponding to residues surroun ding K5 of human histone H4.
Theoretical MW (kDa)	Calculated MW: 11 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunocytochemistry (1:50-1:500) Immunofluorescence (1:30-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescent staining of Hela cells with Histone H4 (acetyl K5) recombinant monoclonal antibody (diluated at 1:65). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Immunocytochemistry

  Immunocytochemical staining of HeLa cells with Histone H4 (acetyl K5) recombinant monoclonal antibody (dluated at 1:100).

- Enzyme-linked Immunoabsorbent Assay

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- Western Blot (Cell lysate)

  Western blot analysis of
  Lane 1: Hela whole cell lysate,
  Lane 2: MCF-7 whole cell lysate,
  Lane 3: 293 whole cell lysateand and
  Lane 4: HepG2 whole cell lysatewith Histone H4 (acetyl K5) recombinant monoclonal antibody.

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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