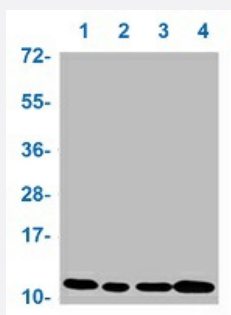


RecomAb™

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

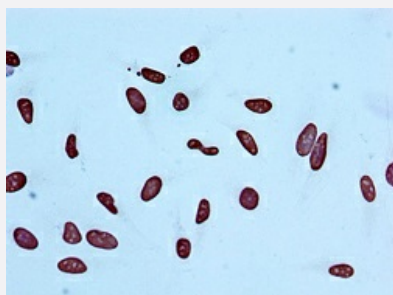
Catalog # RAB04181 Size 100 uL

Applications



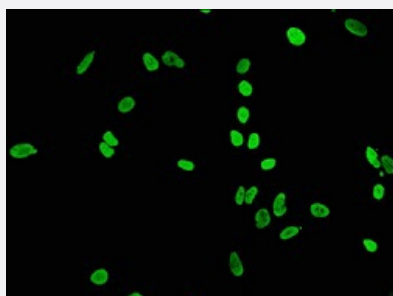
Western Blot (Cell lysate)

Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: MCF-7 whole cell lysate, Lane 3: 293 whole cell lysate and Lane 4: HepG2 whole cell lysate with Histone H4 (acetyl K5) recombinant monoclonal antibody, clone 2C9 (Cat # RAB04181).



Immunocytochemistry

Immunocytochemical staining of HeLa cells with Histone H4 (acetyl K5) recombinant monoclonal antibody, clone 2C9 (Cat # RAB04181) (diluted at 1:100).



Immunofluorescence

Immunofluorescent staining of HeLa cells with Histone H4 (acetyl K5) recombinant monoclonal antibody, clone 2C9 (Cat # RAB04181) (diluted at 1:65). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Specification

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 surrounding K5 of human histone H4.
Theoretical MW (kDa)	Calculated MW: 11 kD
Reactivity	Human
Form	Liquid
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 should be handled by trained staff only.

Applications

- 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 lysate and Lane 4: HepG2 whole cell lysate with Histone H4 (acetyl K5) recombinant monoclonal antibody, clone 2C9 (Cat # RAB04181).

- Immunocytochemistry

Immunocytochemical staining of HeLa cells with Histone H4 (acetyl K5) recombinant monoclonal antibody, clone 2C9 (Cat # RAB04181) (diluted at 1:100).

- Immunofluorescence

Immunofluorescent staining of HeLa cells with Histone H4 (acetyl K5) recombinant monoclonal antibody, clone 2C9 (Cat # RAB04181) (diluted at 1:65). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

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 chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and 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 functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes 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](#)