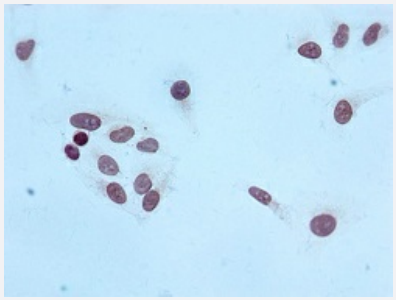
RecomAb™ Sm Size

Histone H4 (tri-methyl K20) recombinant monoclonal antibody, clone 1E6

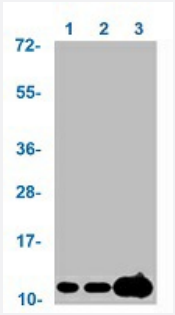
Catalog # RAB07960 Size 50 uL

Applications



Immunocytochemistry

Immunocytochemical staining of HeLa cells with Histone H4 (tri-methyl K20) recombinant monoclonal antibody (diluated at 1:100).



Western Blot

Western blot analysis of
Lane 1: MCF-7 whole cell lysate,
Lane 2: mouse brain tissue and
Lane 3: mouse kidney tissue with Histone H4 (tri-methyl K20) recombinant monoclonal antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human Histone H4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic trimethyl peptide corresponding to residues surroundin g K20 of human histone H4.
Theoretical MW (kDa)	Calculated MW: 11 kD
Reactivity	Human

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunocytochemistry (1:50-1:300) Western Blot (1:500-1:5000) 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

- Immunocytochemistry

  Immunocytochemical staining of HeLa cells with Histone H4 (tri-methyl K20) recombinant monoclonal antibody (diluated at 1:100).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western blot analysis of
  Lane 1: MCF-7 whole cell lysate,
  Lane 2: mouse brain tissue and
  Lane 3: mouse kidney tissue with Histone H4 (tri-methyl K20) recombinant monoclonal antibody.

Gene Info — HIST1H4A

Entrez GeneID	8359
Protein Accession#	P62805
Gene Name	HIST1H4A
Gene Alias	H4/a, H4FA

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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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