

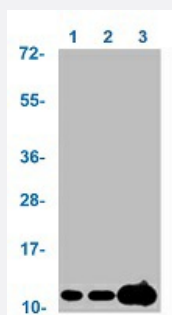
## RecomAb™

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

Catalog # RAB04195

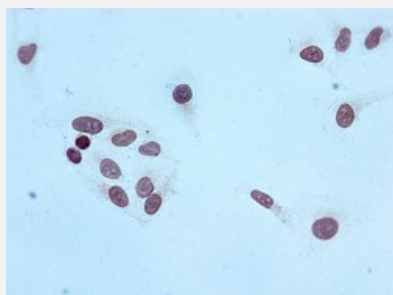
Size 100 uL

## Applications



### 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, clone 1E6 (Cat # RAB04195).



### Immunocytochemistry

Immunocytochemical staining of HeLa cells with Histone H4 (tri-methyl K20) recombinant monoclonal antibody, clone 1E6 (Cat # RAB04195) (diluted at 1:100).

## 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 surrounding K20 of human histone H4.
Theoretical MW (kDa)	Calculated MW: 11 kD
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunocytochemistry (1:50-1:300) 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 should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — HIST1H4A

Entrez GeneID	<a href="#">8359</a>
Protein Accession#	<a href="#">P62805</a>
Gene Name	HIST1H4A
Gene Alias	H4/a, H4FA
Gene Description	histone cluster 1, H4a
Omim ID	<a href="#">602822</a>

## 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](#)