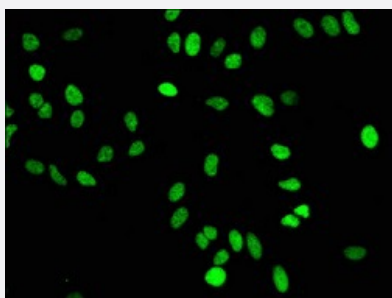


RecomAb™

# Histone H4 (mono-methyl K16) monoclonal antibody, clone 3E11

Catalog # RAB04189      Size 100 uL

## Applications



### Immunofluorescence

Immunofluorescent staining of HeLa cells with Histone H4 (mono-methyl K16) monoclonal antibody, clone 3E11 (Cat # RAB04189) (diluted at 1:50). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human Histone H4.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic monomethyl peptide corresponding to residues surrounding K16 of human histone H4.
<b>Reactivity</b>	Human, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Affinity chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA Immunofluorescence (1:30-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	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

- Immunofluorescence

Immunofluorescent staining of Hela cells with Histone H4 (mono-methyl K16) monoclonal antibody, clone 3E11 (Cat # RAB04189) (diluted at 1:50). 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](#)