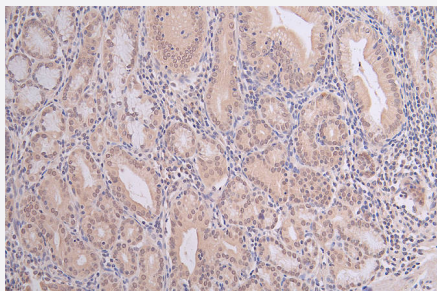


RecomAb™

# HIST1H3A recombinant monoclonal antibody, clone 13E1

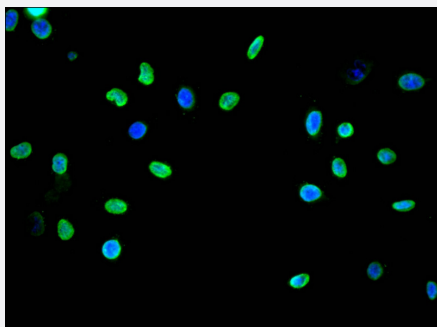
Catalog # RAB07658      Size 100 uL

## Applications



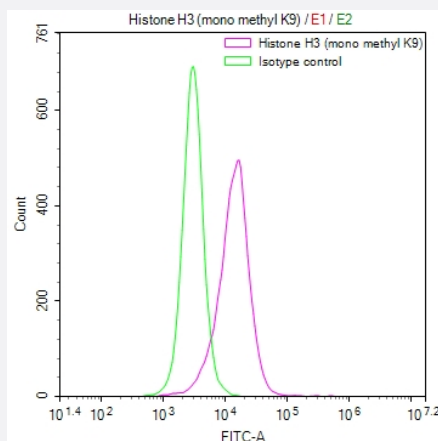
### Immunohistochemistry

Immunohistochemistry image of HIST1H3A recombinant monoclonal antibody, clone 13E1 diluted at 1:100 and staining in paraffin-embedded human gastric cancer performed on a Leica Bond™ system.



### Immunofluorescence

Immunofluorescence staining of A549 Cells with HIST1H3A recombinant monoclonal antibody, clone 13E1 at 1:50, counter-stained with DAPI.



### Flow Cytometry

Overlay Peak curve showing A549 cells stained with HIST1H3A recombinant monoclonal antibody, clone 13E1 (red line) at 1:100.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human HIST1H3A.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human HIST1H3A.
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity chromatography purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) Immunofluorescence(1:20-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
<b>Storage Instruction</b>	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry

Immunohistochemistry image of HIST1H3A recombinant monoclonal antibody, clone 13E1 diluted at 1:100 and staining in paraffin-embedded human gastric cancer performed on a Leica Bond™ system.

- Immunofluorescence

Immunofluorescence staining of A549 Cells with HIST1H3A recombinant monoclonal antibody, clone 13E1 at 1:50, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing A549 cells stained with HIST1H3A recombinant monoclonal antibody, clone 13E1 (red line) at 1:100.

## Gene Info — HIST1H3A

**Entrez GeneID** [8350](#)**Protein Accession#** [P68431](#)**Gene Name** HIST1H3A**Gene Alias** H3/A, H3FA**Gene Description** histone cluster 1, H3a**Omim ID** [602810](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary**

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq]

**Other Designations** H3 histone family, member A|histone 1, H3a

## Pathway

- [Systemic lupus erythematosus](#)