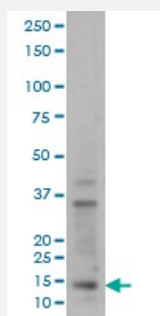


# HIST1H3A monoclonal antibody, clone I-8

Catalog # MAB19494      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with HIST1H3A monoclonal antibody.

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against synthetic peptide of human HIST1H3A.
<b>Immunogen</b>	A synthetic peptide corresponding to human HIST1H3A.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage Instruction</b>	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 HeLa cell lysate with HIST1H3A monoclonal antibody.

- Immunocytochemistry

- Immunofluorescence

## 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](#)