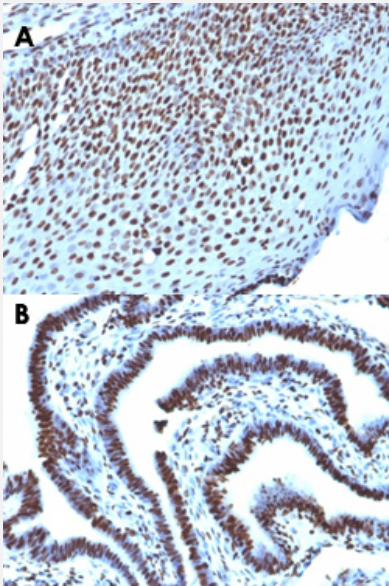


# Histone H1 monoclonal antibody, clone AE-4

Catalog # MAB13301      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil (A) and human ovarian carcinoma (B) with Histone H1 monoclonal antibody, clone AE-4 (Cat # MAB13301).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native human Histone H1.
<b>Immunogen</b>	Nuclei of human leukemia biopsy cells.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	~30
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein A/G purification
<b>Isotype</b>	IgG2a, kappa

**Recommend Usage**

Flow Cytometry (0.5-1 ug/10<sup>6</sup> cells in 0.1 mL)  
Immunofluorescence (0.5-1 ug/mL)  
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer**

In 1 mM PBS (0.05% BSA, 0.05% sodium azide).

**Storage Instruction**

Store at 4°C.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Immunofluorescence

- Flow Cytometry

## Gene Info — H1F0

**Entrez GeneID**

[3005](#)

**Protein Accession#**

[P07305](#)

**Gene Name**

H1F0

**Gene Alias**

H10, H1FV, MGC5241

**Gene Description**

H1 histone family, member 0

**Omim ID**

[142708](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 H1 family. [provided by RefSeq]

## Other Designations

H1.0, H1(0), H1-0|OTTHUMP00000028818

## Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)