

**Product Name: HIST2H4A(20Me) Mouse Monoclonal Antibody**  
**Catalog #: AMM81563**

---



## Summary

<b>Production Name</b>	HIST2H4A(20Me) Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC, ICC, ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	HIST2H4A(20Me)
<b>Alternative Names</b>	H4; H4/n; H4F2; H4FN; FO108; HIST2H4
<b>Gene ID</b>	8370.0
<b>SwissProt ID</b>	P62805.Synthesized peptide of human HIST2H4A ( AA: GGAKRHRK(Me)VLRDNIQ ) .

## Application

<b>Dilution Ratio</b>	IHC:1:200-1:1000, ICC:1:200-1:1000, ELISA:1:10000
<b>Molecular Weight</b>	11.4kDa

## Background

---

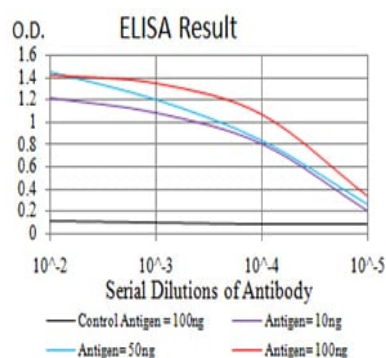
**Product Name: HIST2H4A(20Me) Mouse Monoclonal Antibody**  
**Catalog #: AMM81563**



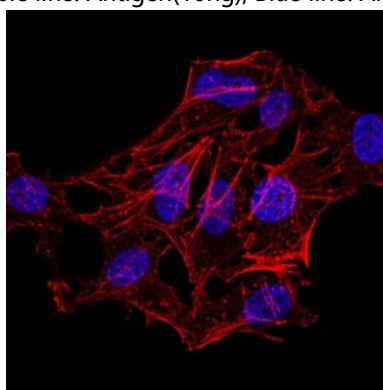
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The 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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

## Research Area

## Image Data

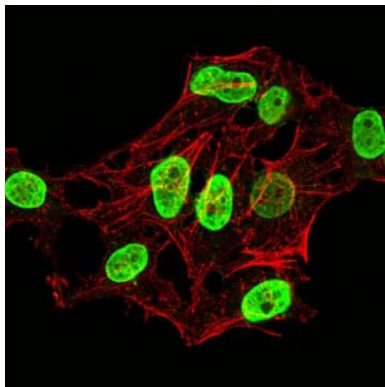


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

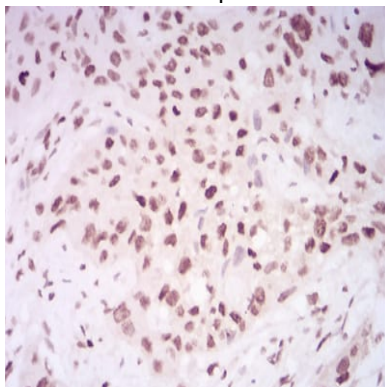


Immunofluorescence analysis of HeLa cells . Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

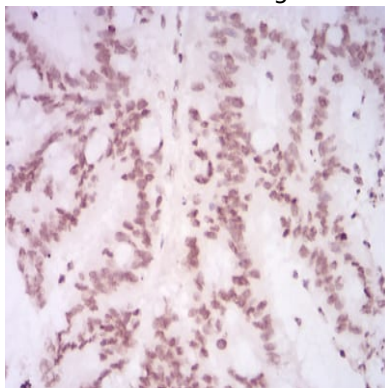
**Product Name: HIST2H4A(20Me) Mouse Monoclonal Antibody**  
**Catalog #: AMM81563**



Immunofluorescence analysis of HeLa cells using HIST2H4A(20Me) mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.  
Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using HIST2H4A(20Me) mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using HIST2H4A(20Me) mouse mAb with DAB staining.

## **Note**

For research use only.