

## Anti-HIST1H3A antibody

<b>Cat. No.</b>	ml163159
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-HIST1H3A rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human HIST1H3A
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.5 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	HIST1H3A
<b>Full name</b>	histone cluster 1, H3a
<b>Synonyms</b>	H3/A; H3FA
<b>Swissprot</b>	P68431

### Target Background

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 replication-dependent histone that is 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.

订购热线: 4008-898-798

## Applications

### Immunohistochemistry

Predicted cell location: Nucleus

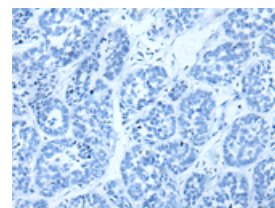
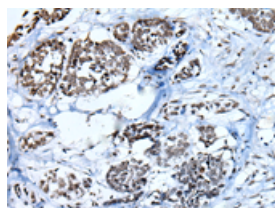
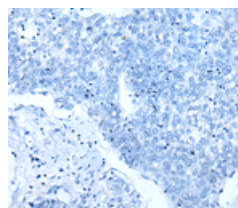
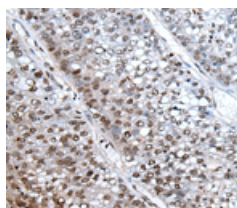
Positive control: Human liver cancer

Recommended dilution: 25-100

Predicted cell location: Nucleus

Positive control: Human esophagus cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml163159(HIST1H3A Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml163159(HIST1H3A Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 15 kDa

Positive control: HeLa, 231, A549, 293T and NIH/3T3 cell, Mouse liver tissue, HUVEC cell lysates

Recommended dilution: 500-2000

Gel: 12% SDS-PAGE

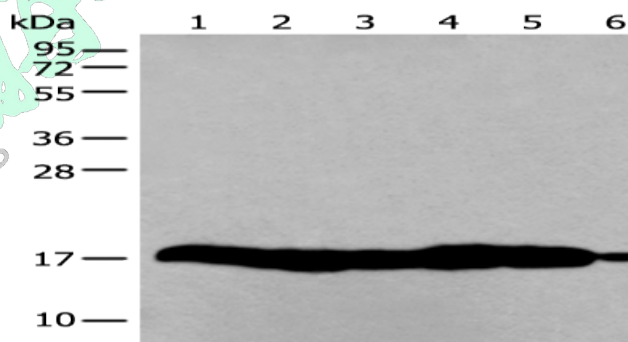
Lysate: 40  $\mu$ g

Lane 1-7: HeLa, 231, A549, 293T and NIH/3T3 cell, Mouse liver tissue, HUVEC cell lysates

Primary antibody: ml163159(HIST1H3A Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 70 seconds



### ELISA

Recommended dilution: 5000-10000

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