

## Anti-HIST1H2AB antibody

<b>Cat. No.</b>	ml161744
<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-HIST1H2AB rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human HIST1H2AB
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.2 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>	HIST1H2AB
<b>Full name</b>	histone cluster 1, H2ab
<b>Synonyms</b>	H2A/m; H2AFM
<b>Swissprot</b>	P04908

### 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 member of the histone H2A 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

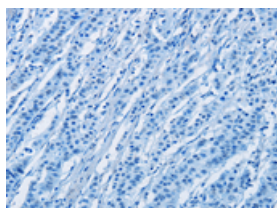
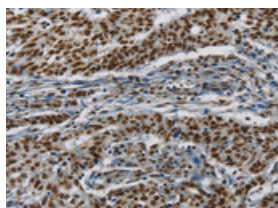
## Applications

### Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human gastric cancer

Recommended dilution: 50-200

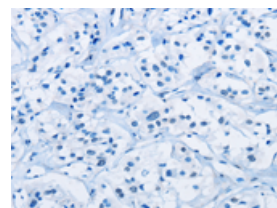
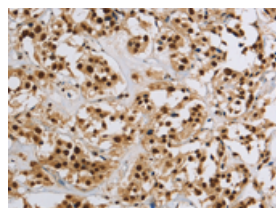


The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ml161744(HIST1H2AB Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Nucleus

Positive control: Human thyroid cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml161744(HIST1H2AB Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 14 kDa

Positive control: Hela, 231 and K562 cells, human fetal brain tissue

Recommended dilution: 200-1000

Gel: 10% SDS-PAGE

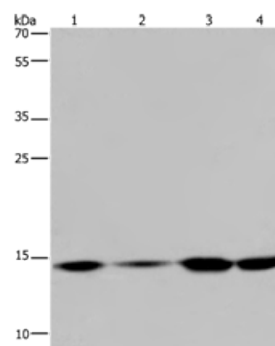
Lysate: 40  $\mu$ g

Lane 1-4: Hela cells, 231 cells, K562 cells, human fetal brain tissue

Primary antibody: ml161744(HIST1H2AB Antibody) at dilution 1/200

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

Exposure time: 5 minutes



### ELISA

Recommended dilution: 1000-2000

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