

Anti-HIST1H3A antibody

Cat. No.	ml224055
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-HIST1H3A rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Full length fusion protein
Reactivity	Human, Mouse
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	HIST1H3A
Full name	histone cluster 1, H3a

Synonyms H3/A; H3FA

Swissprot 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.

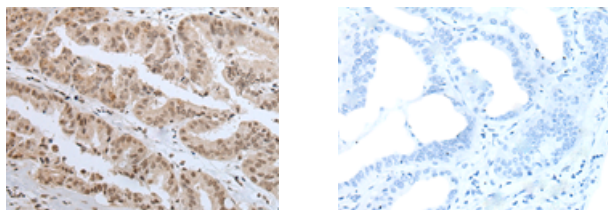
Applications

Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human liver cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml224055(HIST1H3A Antibody) at dilution 1/35, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size: 15 kDa

Positive control: Jurkat cell lysate

Recommended dilution: 500-2000

Gel: 12%SDS-PAGE

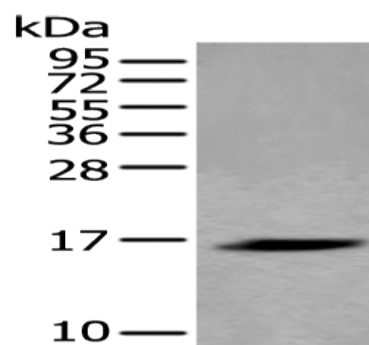
Lysate: 40 µg

Lane: Jurkat cell lysate

Primary antibody: ml224055(HIST1H3A Antibody) at dilution 1/300

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

Exposure time: 40 seconds



ELISA

Recommended dilution: 5000-10000

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