

Anti-HIST1H2BN antibody

Cat. No.	ml225603
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-HIST1H2BN rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human HIST1H2BN
Reactivity	Human, Mouse
Content	1.08 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	HIST1H2BN
Full name	histone cluster 1 H2B family member n

Synonyms H2B/d; H2BFD

Swissprot Q99877

Target Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2B family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3.

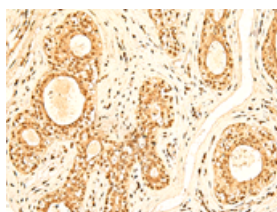
Applications

Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human breast cancer

Recommended dilution: 50-300

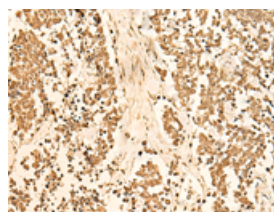


The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml225603(HIST1H2BN Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Predicted cell location: Nucleus

Positive control: Human lung cancer

Recommended dilution: 50-300



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml225603(HIST1H2BN Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 14 kDa

Positive control: Jurkat and K562 cell lysates

Recommended dilution: 200-1000

Gel: 12%SDS-PAGE

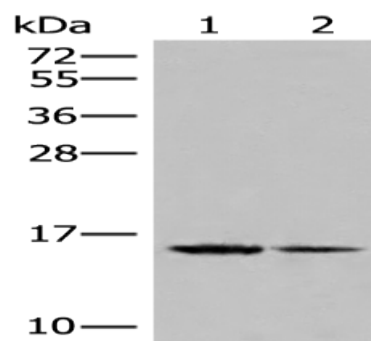
Lysate: 40 µg

Lane 1-2: Jurkat and K562 cell lysates

Primary antibody: ml225603(HIST1H2BN Antibody) at dilution 1/400

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

Exposure time: 20 seconds



ELISA

Recommended dilution: 5000-10000

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