



Datasheet for ABIN3016181
anti-HNMT antibody (AA 1-292)



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5 Images

Overview

Quantity:	100 µL
Target:	HNMT
Binding Specificity:	AA 1-292
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNMT antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-292 of human HNMT (NP_008826.1).
Sequence:	MASSMRS LFS DHGKYVESFR RFLNHSTEHQ CMQEFMDKKL PGIIGRIGDT KSEIKILSIG GGAGEIDLQI LSKVQAQYPG VCINNEVVPEP SAEQIAKYKE LVAKTSNLEN VKFAWHKETS SEYQSRMLEK KELQKWDFIH MIQMLYVVKD IPATLKFFHS LLGTNAKMLI IIVSGSSGWD KLWKYGSRF PQDDLQYIT SDDLQMLDN LGLKYECYDL LSTMDISDCF IDGNENGDLL WDFLTETCNF NATAPDLRA ELGKDLQEPE FSAKKEGKVL FNNTLSFIVI EA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target: HNMT

Alternative Name: HNMT ([HNMT Products](#))

Background: In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative deamination via diamine oxidase. This gene encodes the first enzyme which is found in the cytosol and uses S-adenosyl-L-methionine as the methyl donor. In the mammalian brain, the neurotransmitter activity of histamine is controlled by N(tau)-methylation as diamine oxidase is not found in the central nervous system. A common genetic polymorphism affects the activity levels of this gene product in red blood cells. Multiple alternatively spliced transcript variants that encode different proteins have been found for this gene.,HNMT,HMT,HNMT-S1,HNMT-S2,MRT51,Epigenetics & Nuclear Signaling,Neuroscience,HNMT

Molecular Weight: 6 kDa/14 kDa/33 kDa

Gene ID: 3176

UniProt: [P50135](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:100,IP,1:50 - 1:200

Restrictions: For Research Use only

Handling

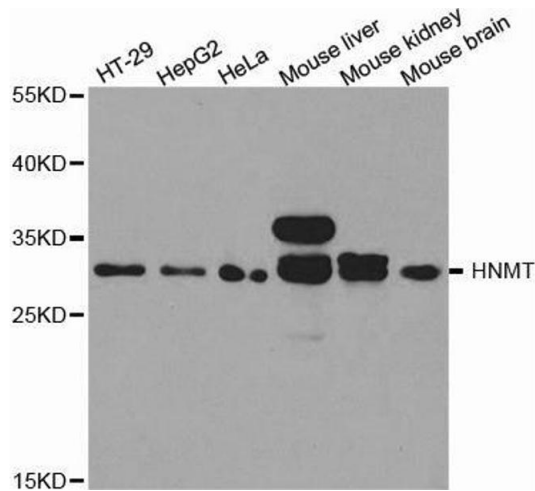
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

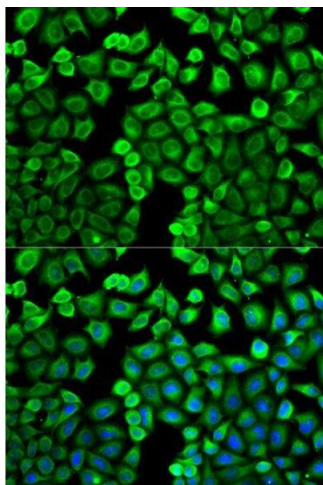
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



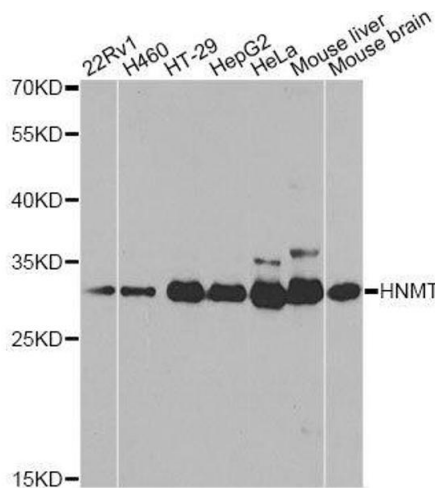
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using HNMT antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cell using HNMT antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using HNMT antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3016181.