

HNMT Rabbit pAb

Catalog No.: A13499

Basic Information

Observed MW

33kDa

Calculated MW

6kDa/14kDa/33kDa

Category

Primary antibody

Applications

WB,IP

Cross-Reactivity

Human, Mouse

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.

Recommended Dilutions

WB	1:500 - 1:2000
IP	1:20 - 1:50

Immunogen Information

Gene ID	Swiss Prot
3176	P50135

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-292 of human HNMT (NP_008826.1).

Synonyms

HNMT;HMT;HNMT-S1;HNMT-S2;MRT51

Contact

 | www.abclonal.com

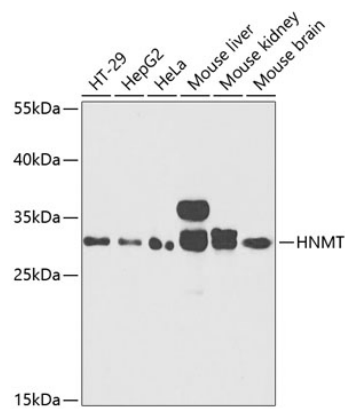
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

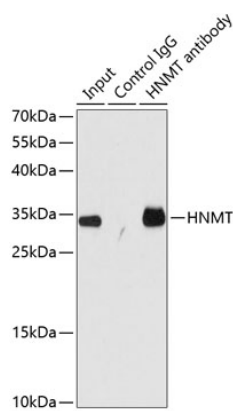
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using HNMT antibody (A13499) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunoprecipitation analysis of 200ug extracts of HT-29 cells using 1ug HNMT antibody (A13499).
Western blot was performed from the immunoprecipitate using HNMT antibody (A13499) at a dilution of 1:1000.