

A13499

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# HNMT Rabbit pAb

Catalog No.: A13499

## Basic Information

### Observed MW

33kDa

### Calculated MW

33kDa

### Category

Mouse Monoclonal Antibody

### Applications

WB,IP,ELISA

### 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** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

### Gene ID

3176

### Swiss Prot

P50135

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-292 of human HNMT (NP\_008826.1).

### Synonyms

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

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

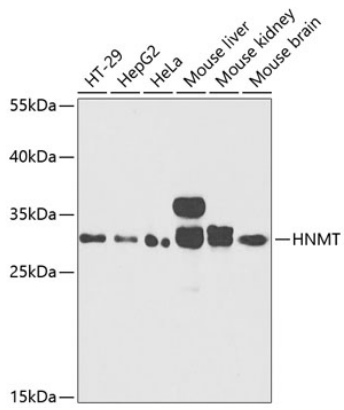
Affinity purification

### 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 various lysates using HNMT Rabbit pAb (A13499) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

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

