

# HNMT Rabbit Polyclonal Antibody



CAB2520

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

33kDa

### Calculated MW:

6kDa/14kDa/33kDa

### Applications:

WB IF IP

### Reactivity:

Human, Mouse

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 -  
1:100 IP 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

3176

### Uniprot

P50135

### Synonyms:

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

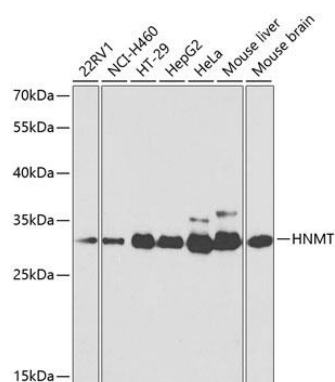
### Immunogen:

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

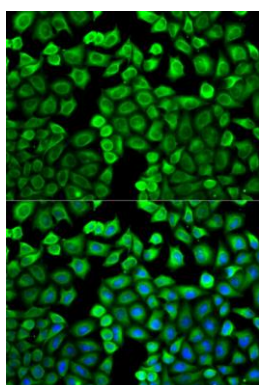
### Storage:

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

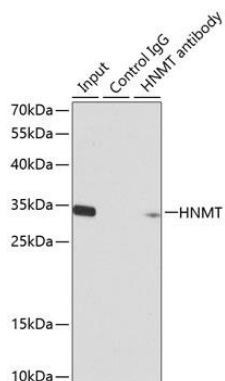
## Product Images



Western blot analysis of extracts of various cell lines, using HNMT antibody (CAB2520) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using HNMT antibody (CAB2520). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HT-29 cells using 1ug HNMT antibody (CAB2520). Western blot was performed from the immunoprecipitate using HNMT antibody (CAB2520) at a dilution of 1:1000. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 10s.