

Product datasheet for **TA377156**

HNMT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IP, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IP, 1:20 - 1:50
Reactivity:	Human, Mouse
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-292 of human HNMT (NP_008826.1).
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	6kDa/14kDa/33kDa
Gene Name:	histamine N-methyltransferase
Database Link:	Entrez Gene 3176 Human P50135



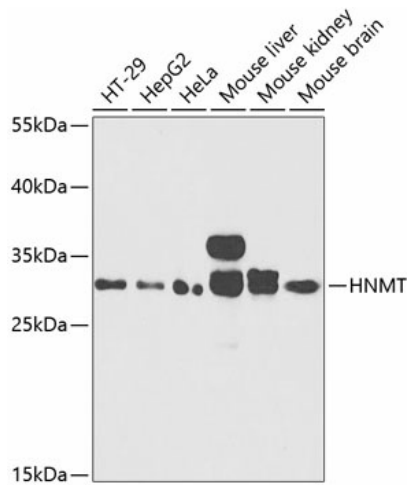
[View online »](#)

Background:

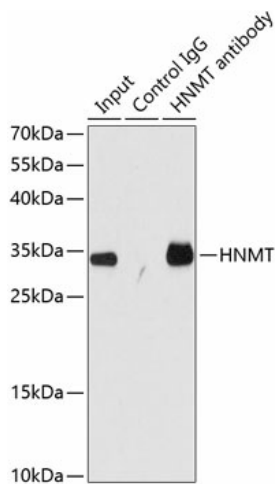
In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative deamination via diamine oxidase. This gene encodes the first enzyme which is found in the cytosol and uses S-adenosyl-L-methionine as the methyl donor. In the mammalian brain, 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.

Synonyms:

HMT; HNMT-S1; HNMT-S2; OTTHUMP00000204203

Product images:


Western blot analysis of extracts of various cell lines, using HNMT antibody (TA377156) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 30s.



Immunoprecipitation analysis of 200ug extracts of HT-29 cells using 1ug HNMT antibody (TA377156). Western blot was performed from the immunoprecipitate using HNMT antibody (TA377156) at a dilution of 1:1000.