

Product datasheet for **TA332537**

HNMT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IP, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human HNMT
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	292
Gene Name:	histamine N-methyltransferase
Database Link:	NP_008826 Entrez Gene 140483 Mouse Entrez Gene 3176 Human P50135
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.



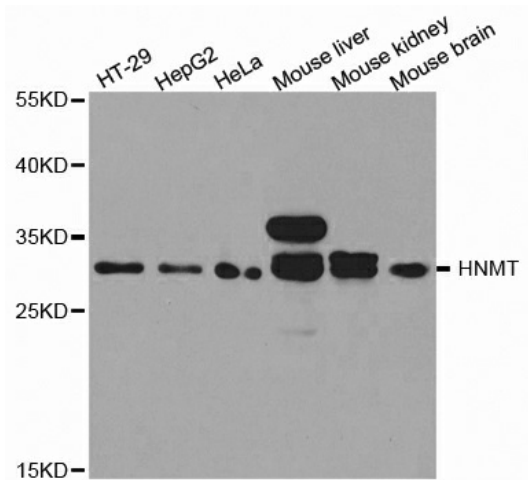
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Synonyms: HMT; HNMT-S1; HNMT-S2; MRT51

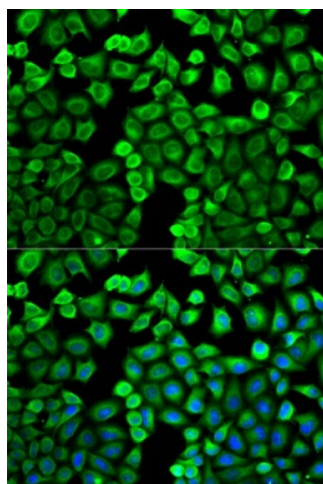
Protein Families: Druggable Genome

Protein Pathways: Histidine metabolism

Product images:



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



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