

Rabbit anti-Human HNMT Polyclonal Antibody | anti-HNMT antibody

HNMT Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289836	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Immunofluorescence

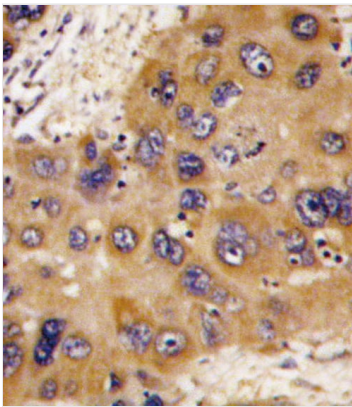
PRODUCT SYNONYMS

HNMT; Polyclonal Antibody; HNMT Antibody (N-term); Histamine N-methyltransferase; HMT; anti-HNMT antibody

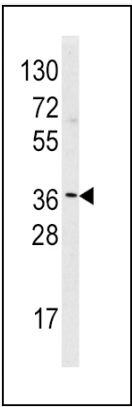
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HNMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-58 amino acids from the N-terminal region of human HNMT.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	29-58
Sequence Length	51
Applicable Applications for anti-HNMT antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

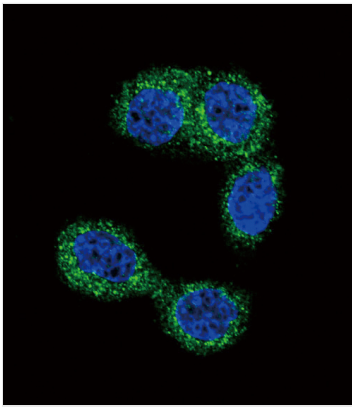
IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with HNMT antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of HNMT Antibody (N-term) in Hela cell line lysates (35ug/lane). HNMT (arrow) was detected using the purified polyclonal antibody.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of HNMT Antibody (N-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-HNMT antibody	In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative deamination via diamine oxidase. HNMT is 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.
Product Categories/Family for anti-HNMT antibody	Neuroscience
References	Aksoy, S., et al., Biochem. Biophys. Res. Commun. 219(2):548-554 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	66932963
NCBI GeneID	3176
NCBI Accession #	NP_001019245.1; NP_001019246.1; NP_008826.1
NCBI GenBank Nucleotide #	NM_001024074.2
UniProt Accession #	P50135; Q546Z6; Q7Z7I2; Q8IU56; Q8WW98; Q9BRW6; B2R9J3

Molecular Weight	33295
NCBI Official Full Name	histamine N-methyltransferase isoform 2
NCBI Official Synonym Full Names	histamine N-methyltransferase
NCBI Official Symbol	HNMT
NCBI Official Synonym Symbols	HMT; HNMT-S1; HNMT-S2
NCBI Protein Information	histamine N-methyltransferase
UniProt Protein Name	Histamine N-methyltransferase
UniProt Gene Name	HNMT
UniProt Synonym Gene Names	HMT
UniProt Entry Name	HNMT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hnmt-antibody-immunohistochemistry-western-blot-immunofluorescence-elisa/289836>