

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

Anti-HNMT Antibody, Rabbit Polyclonal

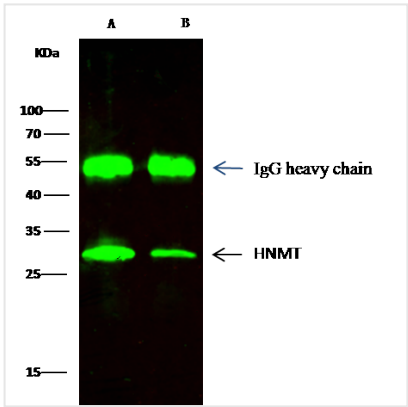
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255633	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

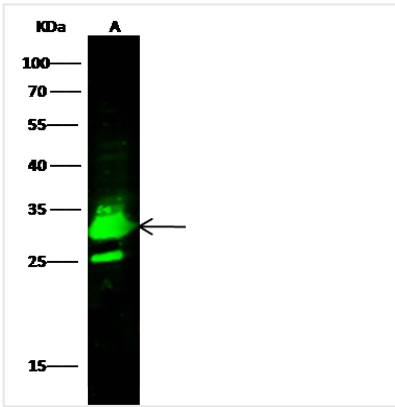
HNMT; Polyclonal Antibody; Anti-HNMT Antibody; Rabbit Polyclonal; HNMT Antibody; Rabbit PAb; Antigen Affinity Purified; histamine N-methyltransferase; Anti-HMT Antibody; Anti-HNMT-S1 Antibody; Anti-HNMT-S2 Antibody; anti-HNMT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HNMT
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-HNMT antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human HNMT protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human HNMT (rh HNMT). HNMT specific IgG was purified by Human HNMT affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
HNMT was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate; Lane B: 0.5 mg Hela Whole Cell Lysate. 2 uL anti-HNMT rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-HNMT rabbit polyclonal antibody, at 1:200 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 33 kDa. Observed band size: 33 kDa.



WB (Western Blot)
Anti-HNMT rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 33 kDa. Observed band size: 32 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-HNMT antibody	HNMT (Histamine N-methyltransferase) is a Protein Coding gene. This gene encodes the first enzyme which is found in the cytosol and uses S-adenosyl-L-methionine as the methyl donor. HNMT, the major enzyme for the metabolism of histamine in the rat brain, is potently inhibited by 9-amino-1, 2, 3, 4-tetrahydroacridine (tacrine). Methylation is an important pathway in the biotransformation of many drugs, neurotransmitters, and xenobiotic compounds. Histamine N-methyltransferase (HNMT) catalyzes the N tau-methylation of histamine and structurally related compounds. Histamine N-methyltransferase (HNMT) is believed to be the sole pathway for termination of the neurotransmitter action of histamine in the mammalian brain. That highlights the importance of the inclusion of HNMT for genetic testing of individuals presenting with intellectual disability.
Product Categories/Family for anti-HNMT antibody	Neurotransmitter Associated Enzymes
References	Yan L., et al., 2000, Pharmacogenetics 10:261-266. Horton J.R., et al., 2001, Structure 9:837-849. Hillier L.W., et al., 2005, Nature 434:724-731.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18089085
NCBI GeneID	3176
Molecular Weight	6,046 Da
NCBI Official Full Name	Histamine N-methyltransferase
NCBI Official Synonym Full Names	histamine N-methyltransferase
NCBI Official Symbol	HNMT
NCBI Official Synonym Symbols	HMT; MRT51; HNMT-S1; HNMT-S2
NCBI Protein Information	histamine N-methyltransferase

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.