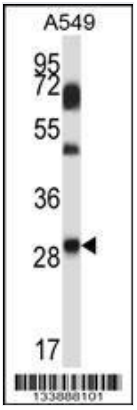
NNMT Antibody – Rabbit Polyclonal

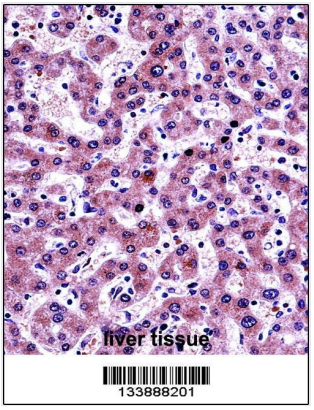
PRODUCT OVERVIEW

Product Name	NNMT, Polyclonal Antibody
Full Product Name	NNMT, ID (NNMT, Nicotinamide N-methyltransferase) (AP)
Product Gene Name	anti-NNMT antibody
Product Synonym Names	NNMT; Nicotinamide N-methyltransferase
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	29,574 Da
OMIM	600008
3D Structure	ModBase 3D Structure for P40261
Immunogen	NNMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 100-130 amino acids from the Central region of human NNMT.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-NNMT antibody	Antibodies; Enzymes; Methyltransferase
Applications Tested/Suitable for anti-NNMT antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-NNMT antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-NNMT antibody	N-methylation is one method by which drug and other xenobiotic compounds are metabolized by the liver. This gene encodes the protein responsible for this enzymatic activity which uses S-adenosyl methionine as the methyl donor. [provided by RefSeq].
Product References and Citations for anti-NNMT antibody	Giusti, B., et al. Thromb. Haemost. 104(2):231-242(2010). Zhang, J., et al. J Zhejiang Univ Sci B 11(2):136-143(2010). Emanuelli, M., et al. Histol. Histopathol. 25(1):15-20(2010). Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010): van Driel, L.M., et al. J. Nutr. 139(12):2315-2321(2009).
Other Notes	Small volumes of anti-NNMT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for NNMT purchase	MBS6325895 is an antibody targeting NNMT. Also known as NNMT, ID (NNMT, Nicotinamide N-methyltransferase) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NNMT antibody
NNMT Antibody (Center) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the NNMT antibody detected the NNMT protein (arrow).



Immunohistochemistry (IHC) of anti-NNMT antibody
NNMT Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of NNMT Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NNMT. It may not necessarily be applicable to this product.

NCBI GI #	5453790
NCBI GeneID	4837
NCBI Accession #	NP_006160.1
UniProt Primary Accession #	P40261
UniProt Related Accession #	P40261
GenBank Nucleotide #	NM_006169.2
NCBI Official Full Name	nicotinamide N-methyltransferase
NCBI Official Synonym Full Names	nicotinamide N-methyltransferase
NCBI Official Symbol	NNMT
UniProt Protein Name	Nicotinamide N-methyltransferase
UniProt Gene Name	NNMT
UniProt Entry Name	NNMT_HUMAN
NCBI Protein Information	nicotinamide N-methyltransferase
NCBI Summary for NNMT	N-methylation is one method by which drug and other xenobiotic compounds are metabolized by the liver. This gene encodes the protein responsible for this enzymatic activity which uses S-adenosyl methionine as the methyl donor. [provided by RefSeq, Jul 2008]

UniProt Comments for NNMT	NNMT: Catalyzes the N-methylation of nicotinamide and other pyridines to form pyridinium ions. This activity is important for biotransformation of many drugs and xenobiotic compounds. Belongs to the NNMT/PNMT/TEMT family. Protein type: Cofactor and Vitamin Metabolism - nicotinate and nicotinamide; EC 2.1.1.1; Methyltransferase Chromosomal Location of Human Ortholog: 11q23.1 Cellular Component: cytosol Molecular Function: nicotinamide N-methyltransferase activity Biological Process: response to drug; methylation; organ regeneration; xenobiotic metabolic process; response to organic nitrogen
Research Articles on NNMT	**1.** NNMT enhances the capacity of tumorigenesis associated with the inhibition of cell apoptosis and the promotion of cell cycle progression in human colorectal cancer cells
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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