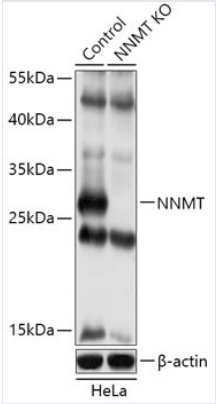
NNMT Antibody – Rabbit Polyclonal

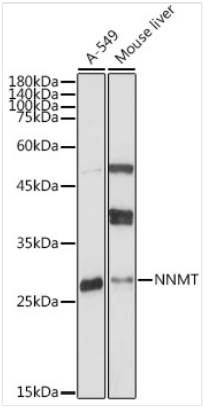
PRODUCT OVERVIEW

Product Name	NNMT, Polyclonal Antibody
Full Product Name	[KO Validated] NNMT Rabbit pAb
Product Gene Name	anti-NNMT antibody
Product Synonym Names	NNMT
Immunogen Sequence	MESGFTSKDT YLSHFNPRDY LEKYYKFGSR HSAESQILKH LLKNLFKIFC LDGVKGDLLI DIGSGPTIYQ LLSACESFKE IVVTDYSDQN LQELEKWLKK EPEAFDWSPV VTYVCDLEGN RVKGPEKEEK LRQAVKQVLK CDVTQSQPLG AVPLPPADCV LSTLCLDAAC PDLPTYCRAL RNLGSLLKPG GFLVIMDALK SSYYMIGEQK FSSLPLGREA VEAAVKEAGY TIEWFEVISQ SYSSTMANNE GLFSLVARKL SRPL
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	29,574 Da
OMIM	600008
3D Structure	ModBase 3D Structure for P40261
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-264 of human NNMT (NP_006160.1).
Cellular Location	Cytoplasm
Positive Samples	A-549, Mouse liver
Product Categories/Family for anti-NNMT antibody	Endocrine & Metabolism; Drug metabolism
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NNMT antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-NNMT antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Related Product Information for anti-NNMT antibody	Background: 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.
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.

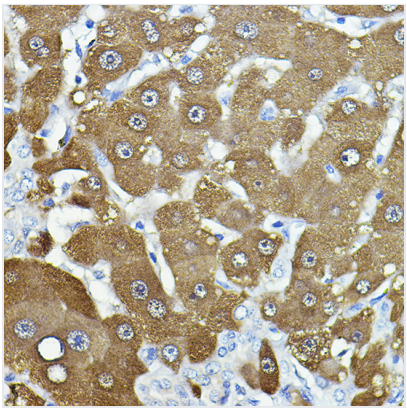
Searchable Terms for NNMT purchase	MBS9143146 is an antibody targeting NNMT. Also known as [KO Validated] NNMT Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.



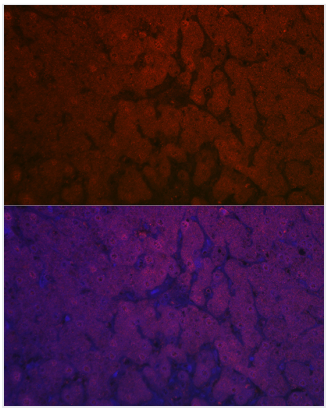
Western Blot (WB) of anti-NNMT antibody
Western blot analysis of extracts from normal (control) and NNMT knockout (KO) HeLa cells, using NNMT antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.



Western Blot (WB) of anti-NNMT antibody
Western blot analysis of extracts of various cell lines, using NNMT antibody at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.



Immunohistochemistry (IHC) of anti-NNMT antibody
Immunohistochemistry of paraffin-embedded human liver using [KO Validated] NNMT Rabbit pAb at dilution of 1:100 (40x lens).



Immunofluorescence (IF) of anti-NNMT antibody
Immunofluorescence analysis of human liver cancer using [KO Validated] NNMT Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

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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