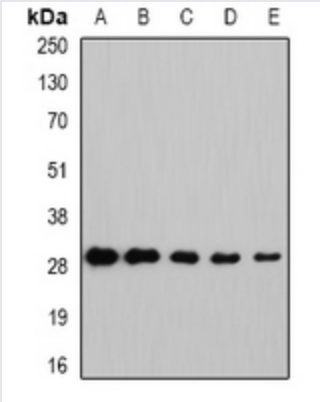
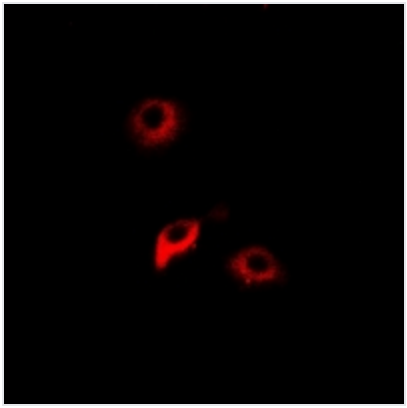
NNMT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NNMT, Polyclonal Antibody
Full Product Name	Rabbit anti-NNMT Antibody
Product Gene Name	anti-NNMT antibody
Product Synonym Names	Nicotinamide N-methyltransferase
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	29,574 Da
OMIM	600008
3D Structure	ModBase 3D Structure for P40261
Immunogen	Recombinant full length protein of human NNMT
Product Categories/Family for anti-NNMT antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-NNMT antibody	Western Blot (WB), Immunofluorescence (IF), Immunochemistry (IC)
Application Notes for anti-NNMT antibody	WB: 1:500-1:2000 IF:IC: 1:50-1:200
Related Product Information for anti-NNMT antibody	MBS4505171 is an antibody targeting NNMT. Also known as Rabbit anti-NNMT Antibody. Reactive in Human. Host: Rabbit.
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.



Western Blot (WB) of anti-NNMT antibody
Western blot analysis of NNMT expression in Hela (A), HepG2 (B), mouse brain (C), rat lung (D), rat liver (E) whole cell lysates.



Immunofluorescence (IF) of anti-NNMT antibody
Immunofluorescent analysis of NNMT staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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
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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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