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Product datasheet for CF502538

NNMT Mouse Monoclonal Antibody [Clone ID: OTI2A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2A3
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NNMT (NP_006160) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	29.4 kDa
Gene Name:	nicotinamide N-methyltransferase
Database Link:	NP_006160 Entrez Gene 18113 MouseEntrez Gene 300691 RatEntrez Gene 4837 Human P40261
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. [provided by RefSeq]

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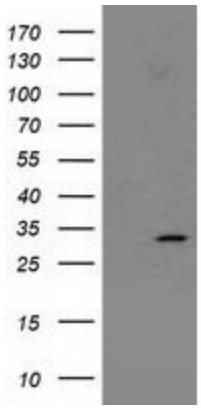
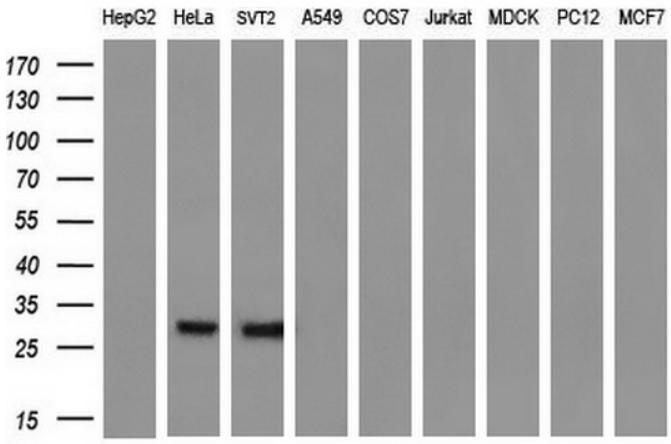
Synonyms: nicotinamide N-methyltransferase

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NNMT ([RC200641], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NNMT. Positive lysates [LY401860] (100ug) and [LC401860] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NNMT monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).

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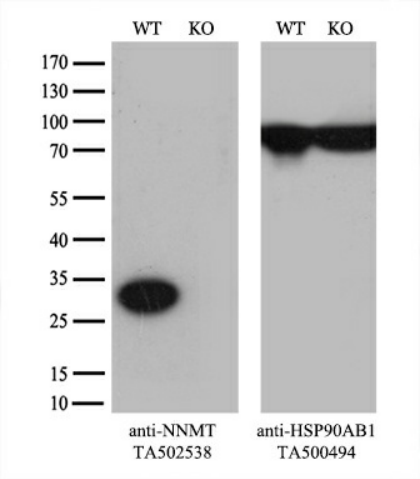
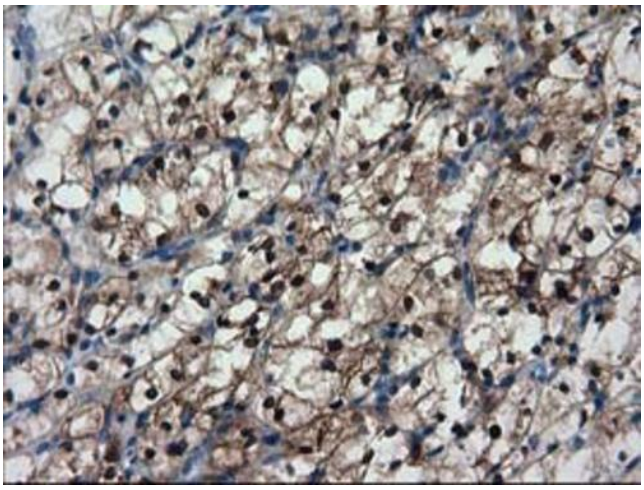
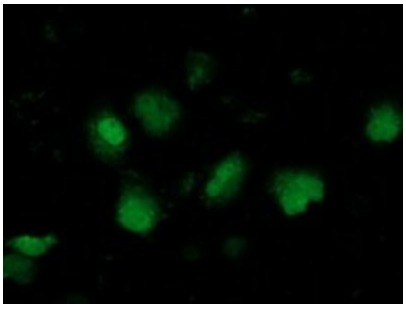


Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and NNMT-Knockout HeLa cells (KO, Cat# [LC832761]) were separated by SDS-PAGE and immunoblotted with anti-NNMT monoclonal antibody [TA502538] (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-NNMT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502538])



Anti-NNMT mouse monoclonal antibody ([TA502538]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NNMT ([RC200641]).

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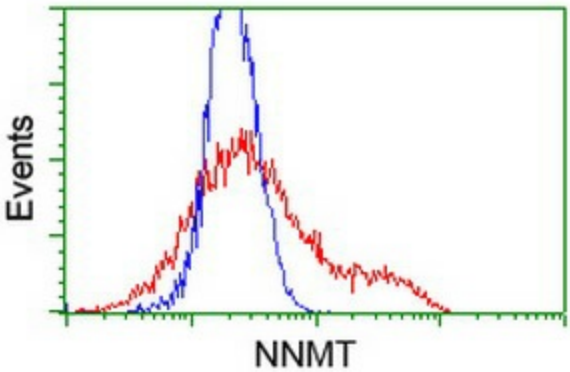
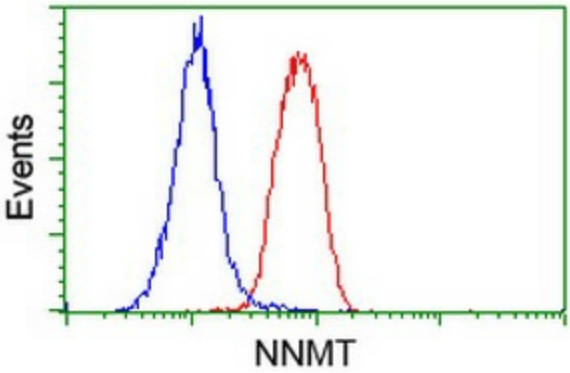
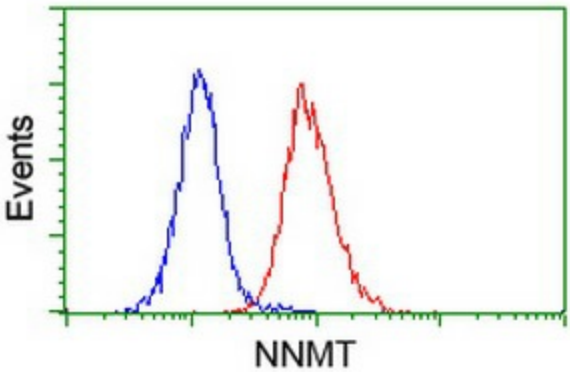


HEK293T cells transfected with either [RC200641] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-NNMT antibody ([TA502538]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-NNMT antibody ([TA502538]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-NNMT antibody ([TA502538]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).

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