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Product datasheet for TA502522AM

NNMT Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2G8
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NNMT(NP_006160) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
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]
Synonyms:	nicotinamide N-methyltransferase
Protein Pathways:	Metabolic pathways, Nicotinate and nicotinamide metabolism

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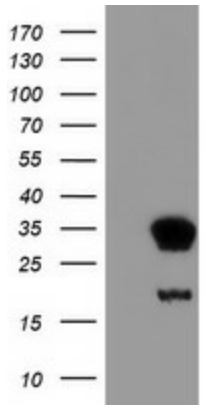
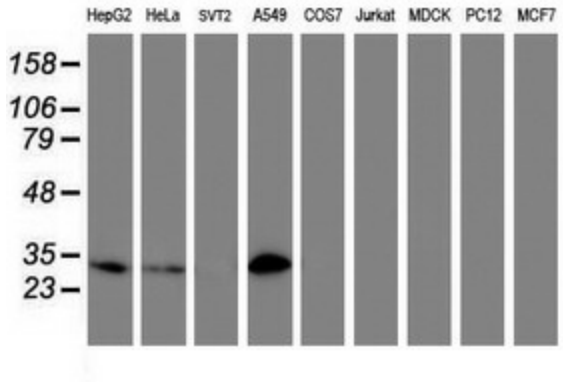
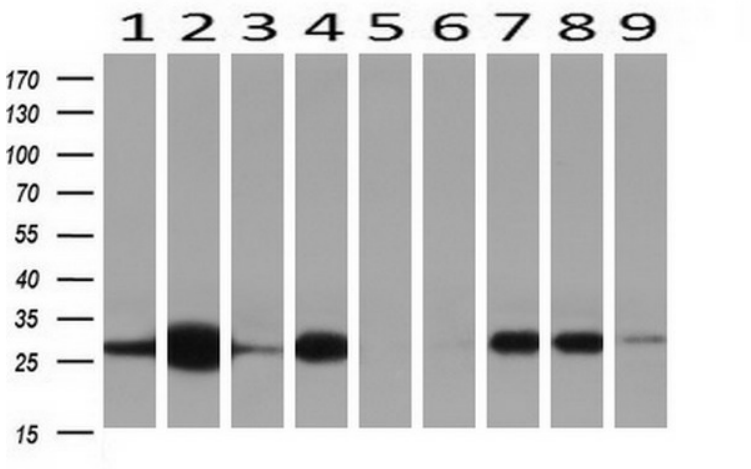
Product images:



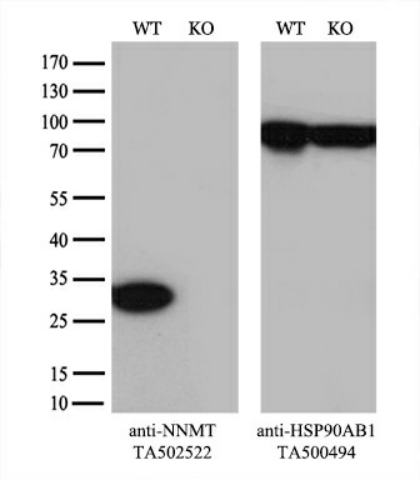
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NNMT ([RC200641], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NNMT. Positive lysates [LY401860] (100ug) and [LC401860]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



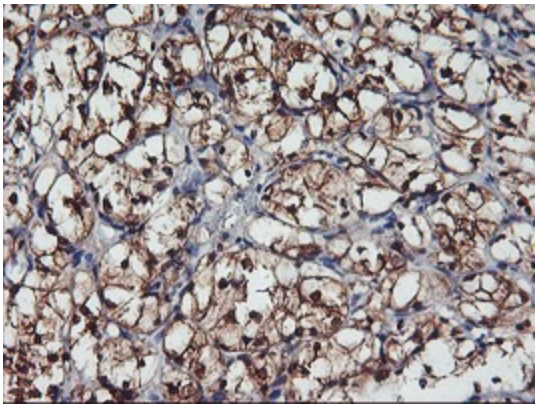
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NNMT monoclonal antibody.



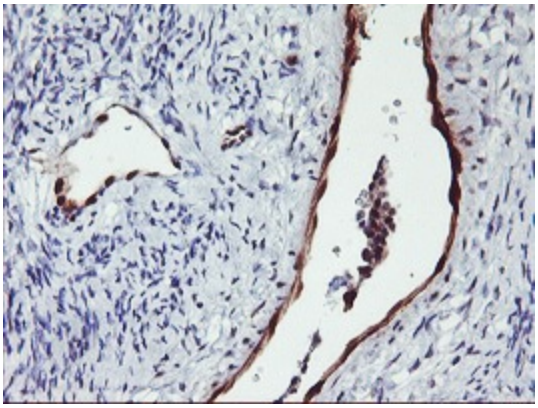
Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-NNMT monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon).



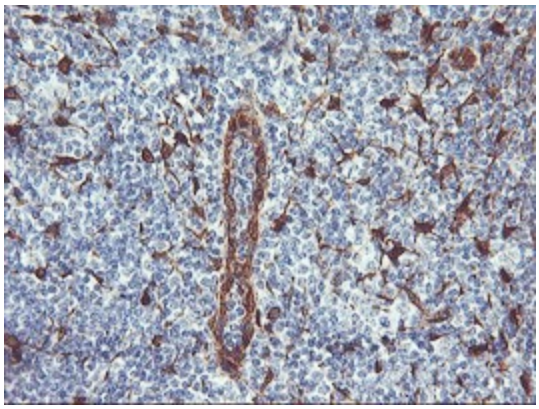
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and NNMT-Knockout HeLa cells (KO, Cat# [LC832761]) were separated by SDS-PAGE and immunoblotted with anti-NNMT monoclonal antibody [TA502522] (1:500). Then the blotted membrane was stripped and reprobed with 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, [TA502522])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-NNMT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502522])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-NNMT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502522])