

Product datasheet for **CF502624**

NNMT Mouse Monoclonal Antibody [Clone ID: OTI3D8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3D8
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, 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]

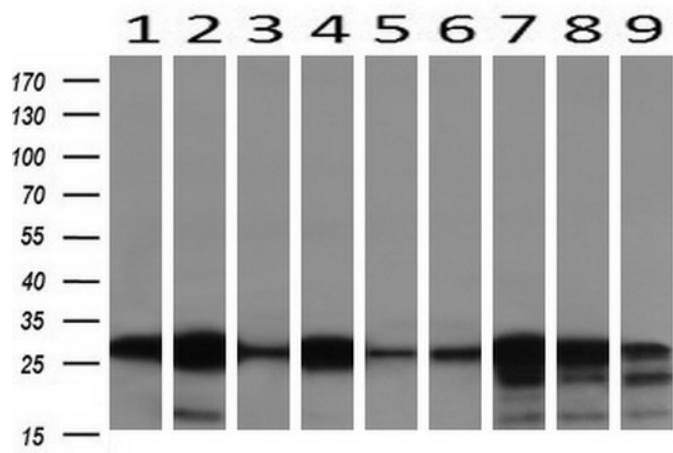


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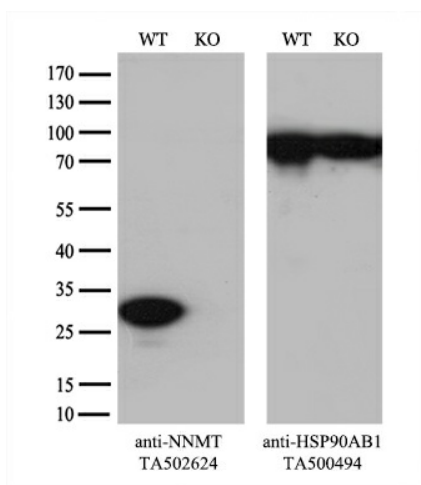
Synonyms: nicotinamide N-methyltransferase

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism

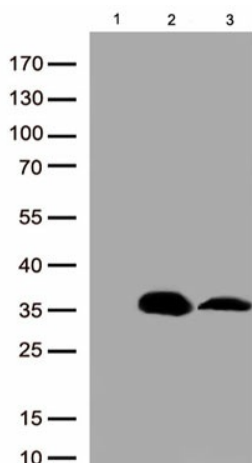
Product images:



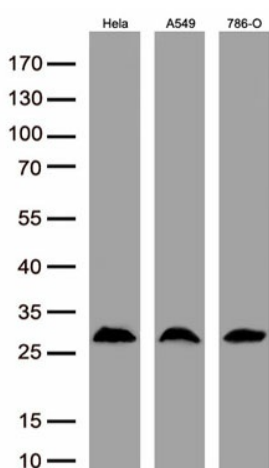
Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-NNMT monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon).



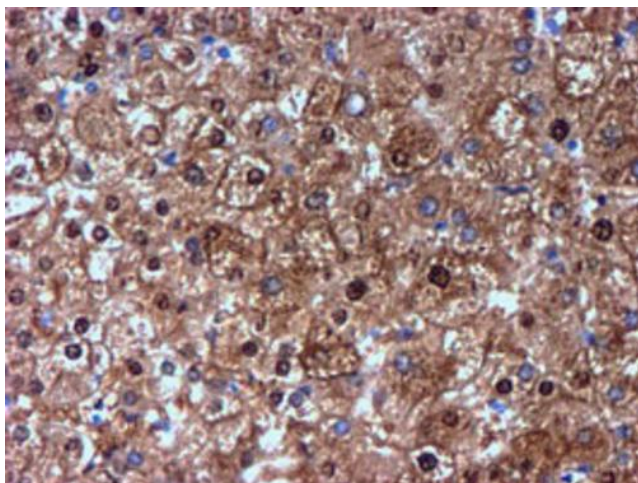
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and NNMT-Knockout HeLa cells were separated by SDS-PAGE and immunoblotted with anti-NNMT monoclonal antibody [TA502624] (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



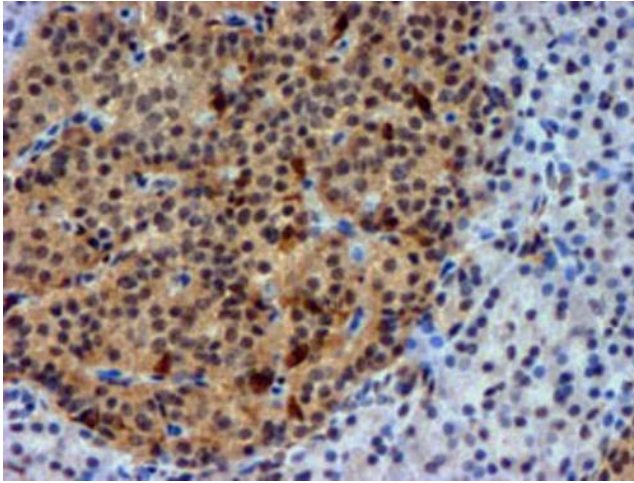
Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human NNMT plasmid ([RC200641], lane 2), mouse NNMT plasmid ([MR203499], lane 3) using anti-NNMT antibody [TA502624] (1:500).



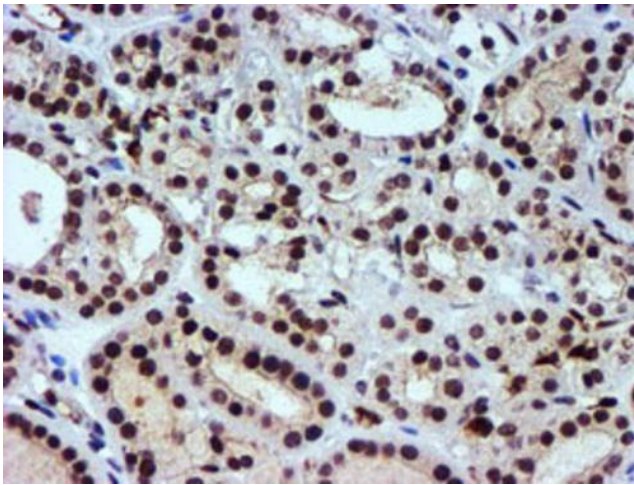
Western blot analysis of extracts (50ug per lane) from 3 cell lines lysates by using anti-NNMT monoclonal antibody([TA502624], 1:500)



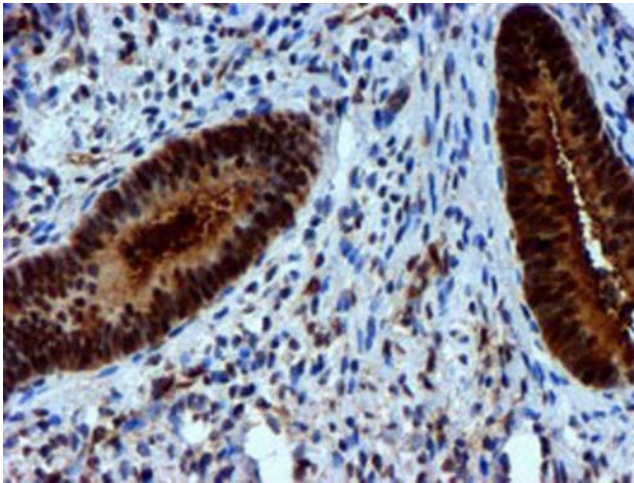
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



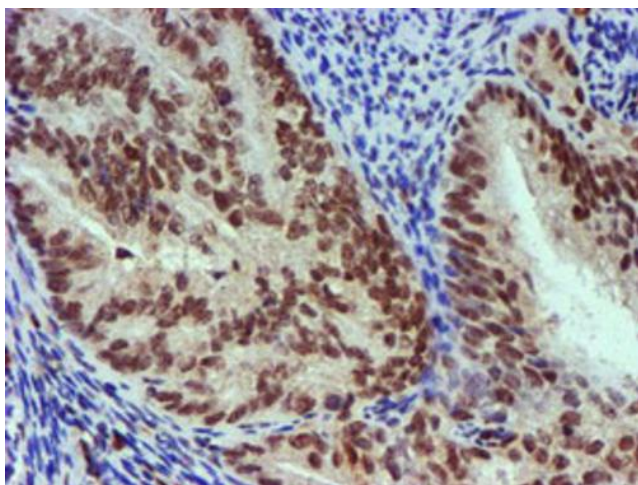
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



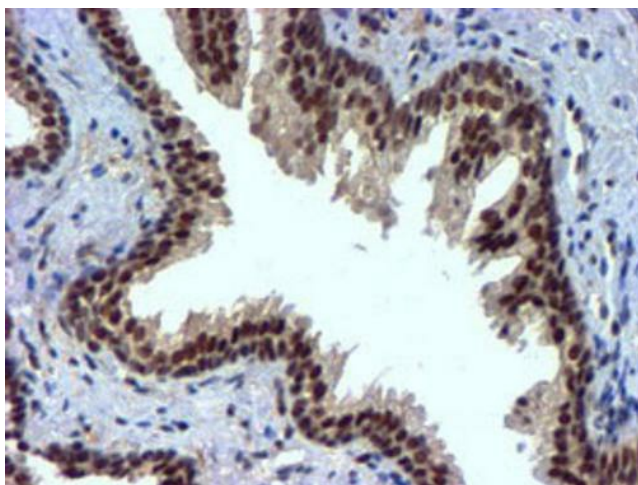
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



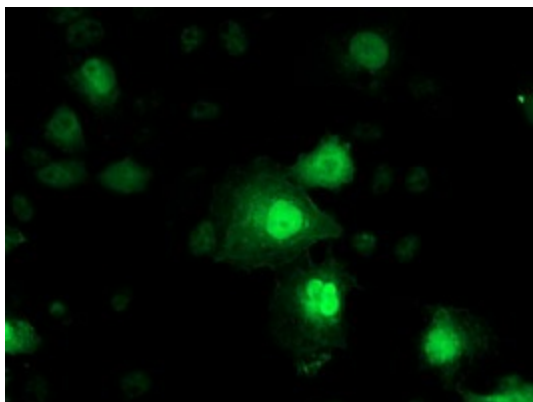
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



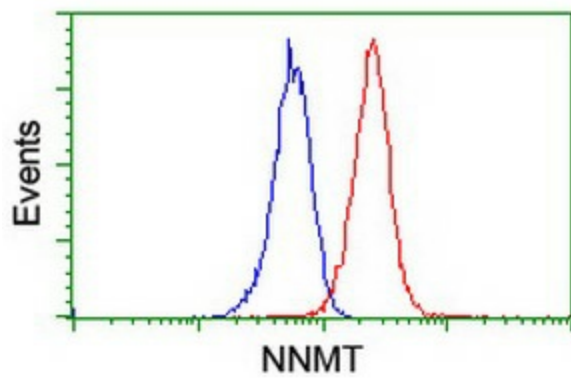
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-NNMT mouse monoclonal antibody ([TA502624]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NNMT ([RC200641]).



Flow cytometric Analysis of Jurkat cells, using anti-NNMT antibody ([TA502624]), (Red), compared to a nonspecific negative control antibody, (Blue).