

Product datasheet for **CF502521**

NNMT Mouse Monoclonal Antibody [Clone ID: OTI3E3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3E3
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
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:	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 Mouse Entrez Gene 300691 Rat Entrez 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]

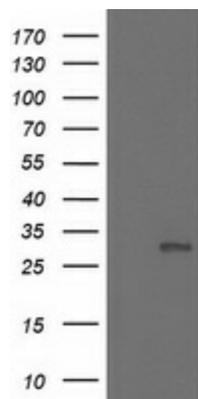


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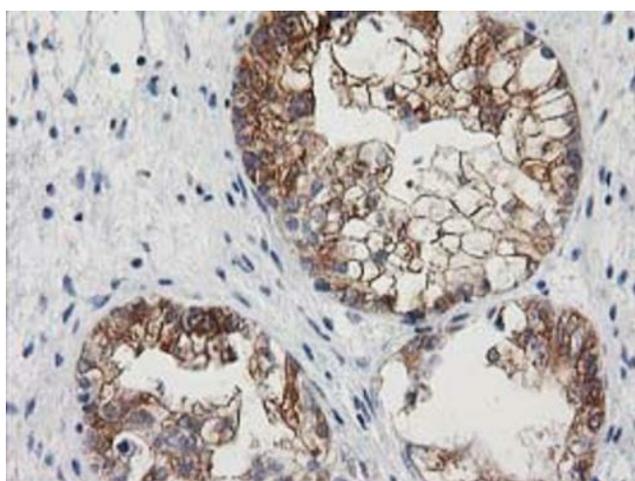
Synonyms: nicotinamide N-methyltransferase

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism

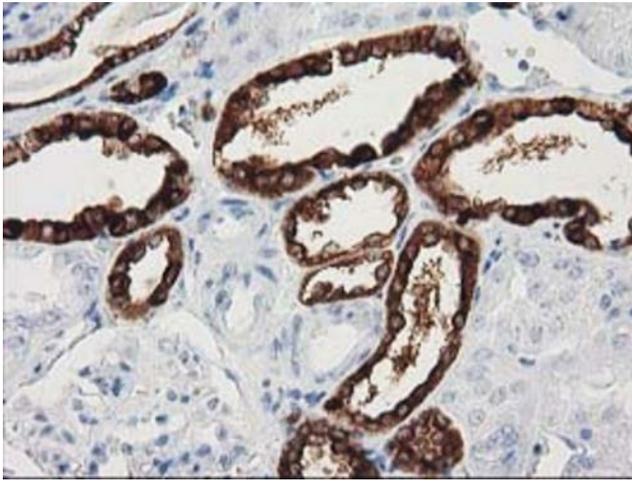
Product images:



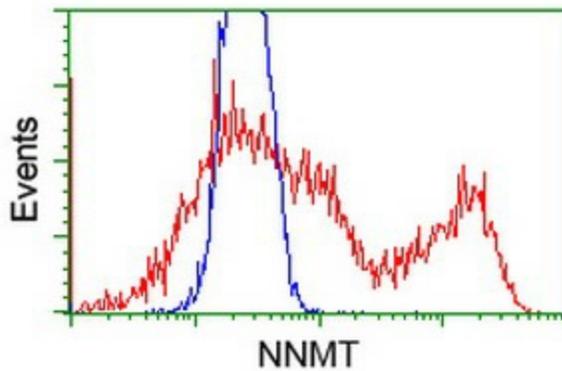
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NNMT ([RC200641], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NNMT. Positive lysates [LY401860] (100ug) and [LC401860]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



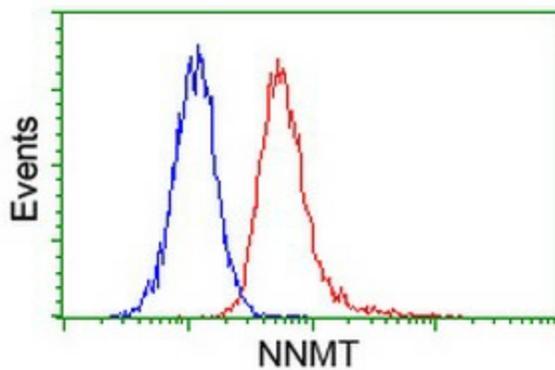
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



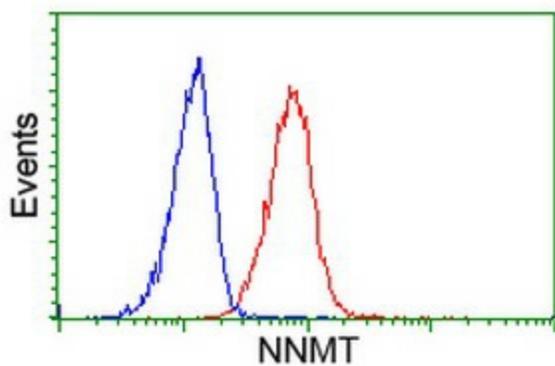
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



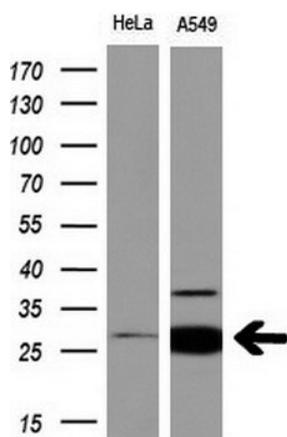
HEK293T cells transfected with either [RC200641] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-NNMT antibody ([TA502521]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-NNMT antibody ([TA502521]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Hela cells, using anti-NNMT antibody ([TA502521]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-NNMT monoclonal antibody (1:200).