

## Product datasheet for **TA502624**

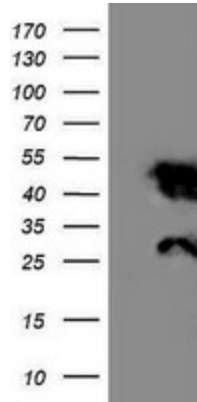
### NNMT Mouse Monoclonal Antibody [Clone ID: OTI3D8]

#### Product data:

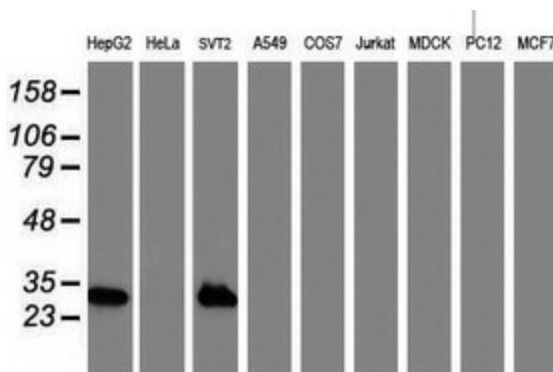
|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI3D8  |
| Applications:           | FC, IF, IHC, WB   |
| Recommended Dilution:   | WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100  |
| Reactivity:             | 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:            | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| Concentration:          | 1 mg/ml   |
| 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:          | <a href="#">NP_006160</a><br><a href="#">Entrez Gene 18113 Mouse</a> <a href="#">Entrez Gene 300691 Rat</a> <a href="#">Entrez Gene 4837 Human</a><br><a href="#">P40261</a>  |
| 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  |



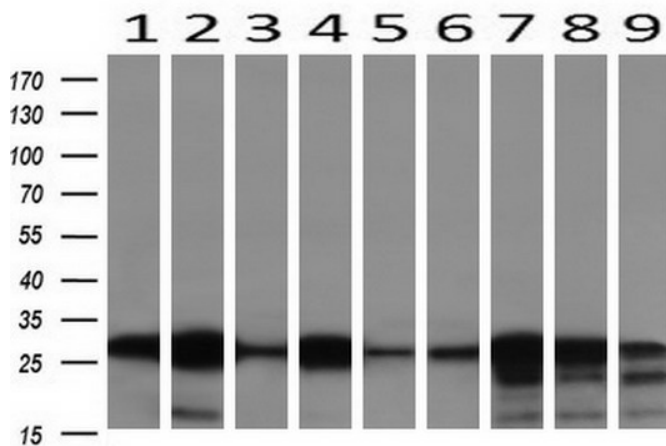
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**Product images:**


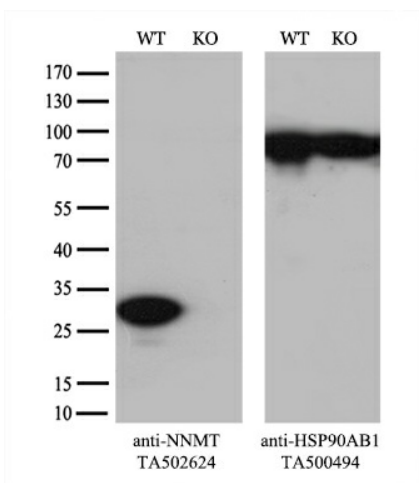
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NNMT (Cat# [RC200641], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NNMT(Cat# TA502624). Positive lysates [LY401860] (100ug) and [LC401860] (20ug) can be purchased separately from OriGene.



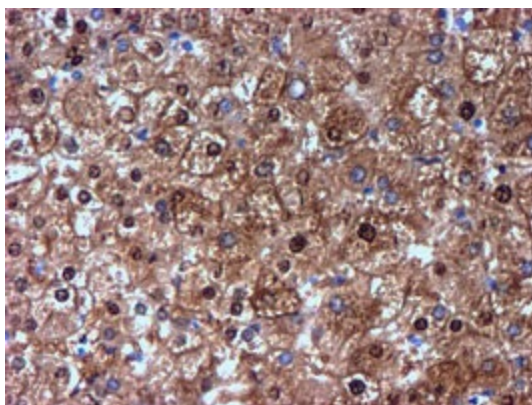
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NNMT monoclonal antibody.



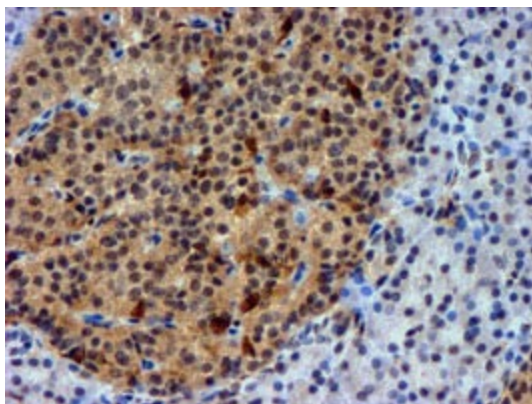
Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-NNMT monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon).



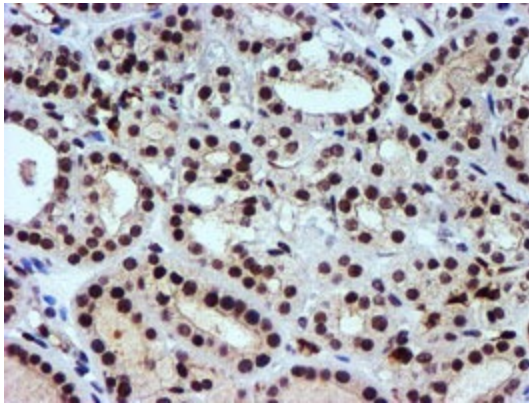
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and NNMT-Knockout HeLa cells were separated by SDS-PAGE and immunoblotted with anti-NNMT monoclonal antibody TA502624 (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody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



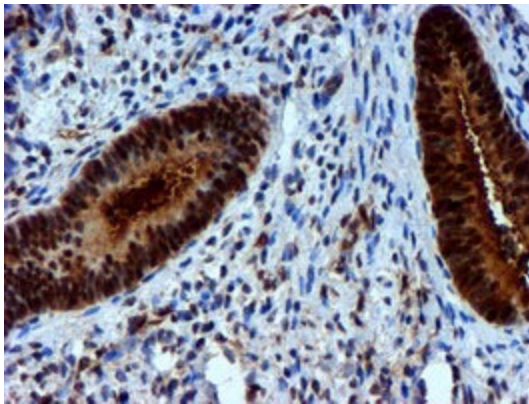
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-NNMT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502624)



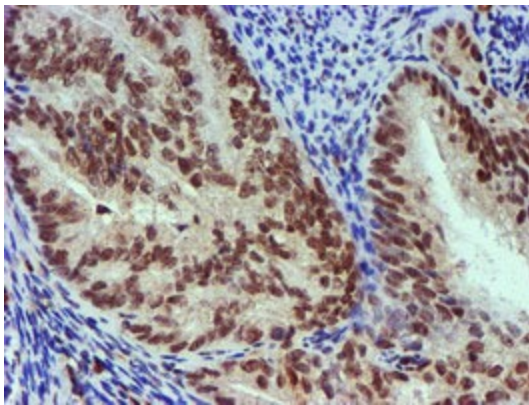
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-NNMT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502624)



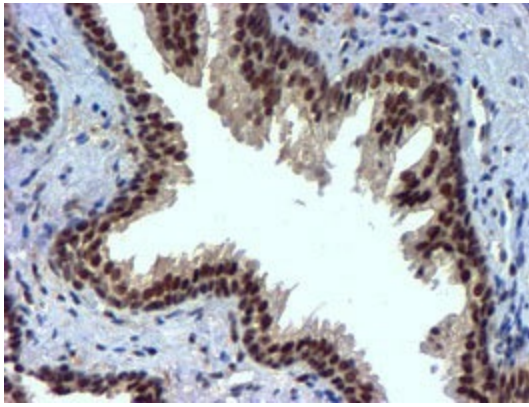
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-NNMT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502624)



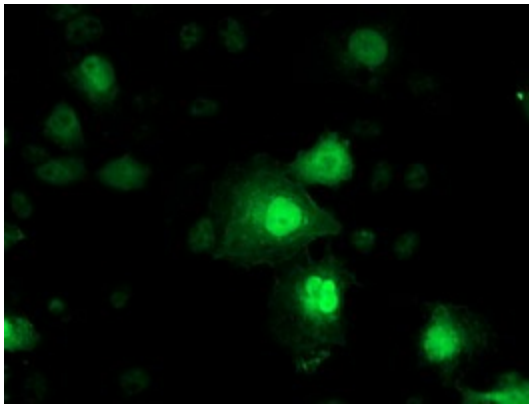
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-NNMT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502624)



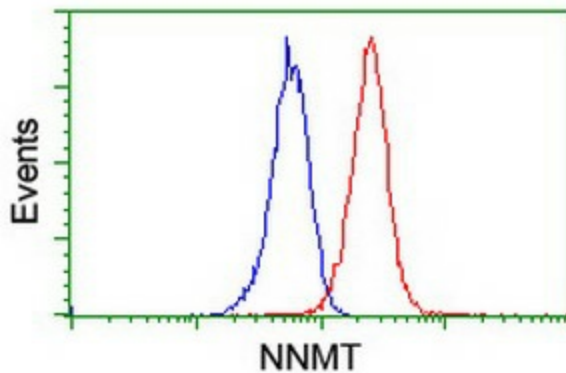
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-NNMT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502624)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-NNMT mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502624)



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).