

Product datasheet for CF502470

NNMT Mouse Monoclonal Antibody [Clone ID: OT11A1]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OT11A1 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100 |
| Reactivity: | Human, Dog, 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 489396 Dog Entrez Gene 4837 Human P40261 |

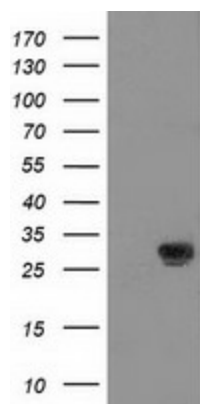

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Background: N-methylation is one method by which drug and other xenobiotic compounds are metabolized by the liver. This gene encodes the protein responsible for this enzymatic activity which uses S-adenosyl methionine as the methyl donor. [provided by RefSeq]

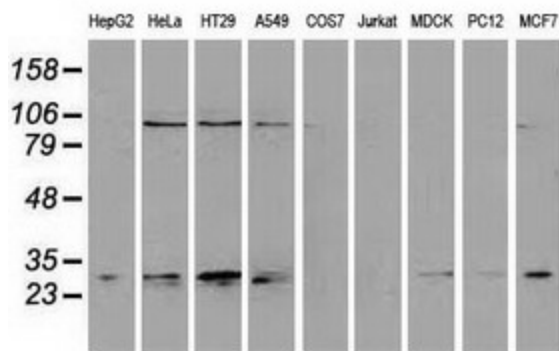
Synonyms: nicotinamide N-methyltransferase

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism

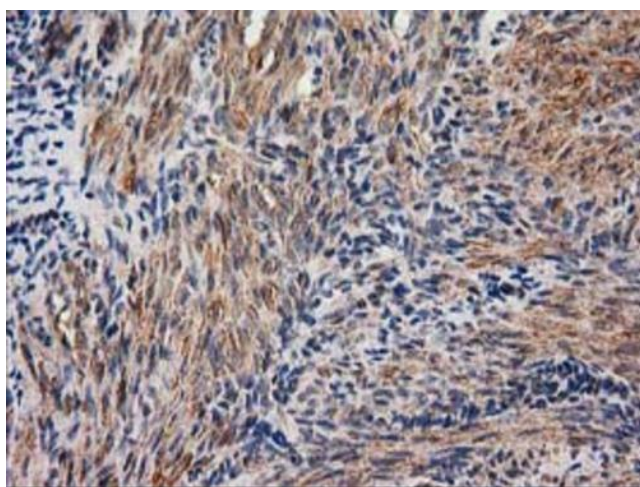
Product images:



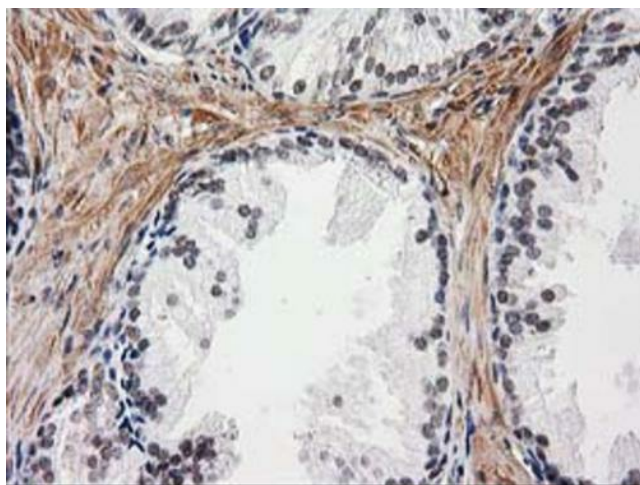
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NNMT [RC200641], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NNMT. Positive lysates [LY401860] (100ug) and [LC401860]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



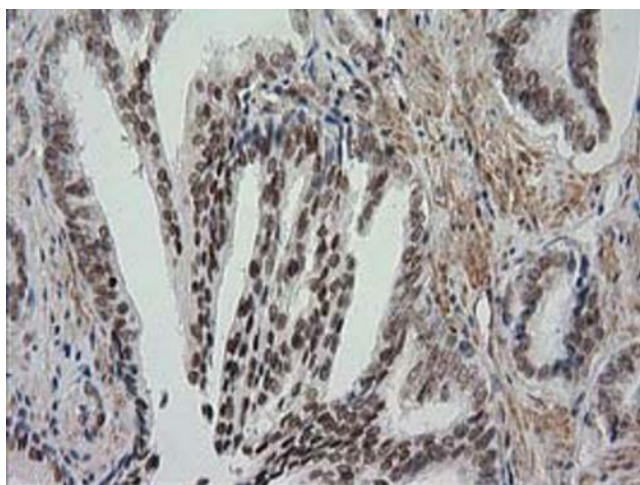
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NNMT monoclonal antibody.



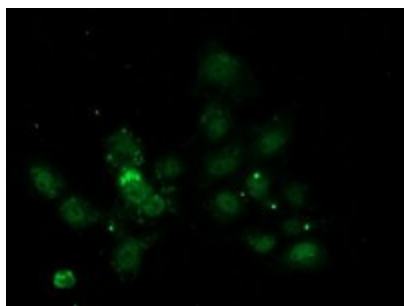
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



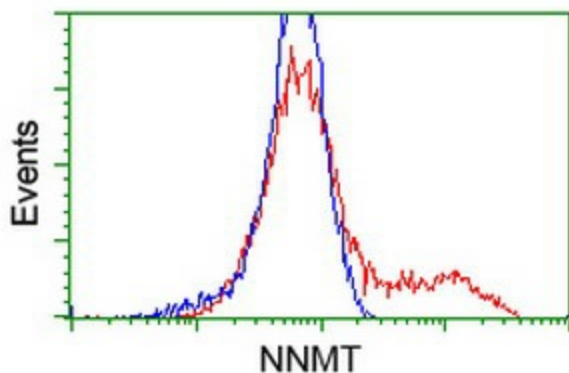
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-NNMT mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue 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 ([TA502470]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NNMT ([RC200641]).



HEK293T cells transfected with either [RC200641] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-NNMT antibody ([TA502470]), and then analyzed by flow cytometry.