

Product datasheet for TA502849M

PNMT Mouse Monoclonal Antibody [Clone ID: OTI1E8]

Product data:

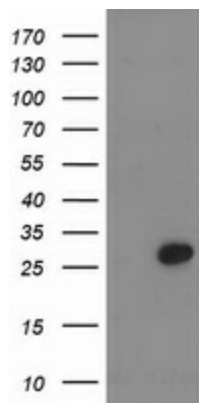
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|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1E8 |
| Applications: | FC, IF, WB |
| Recommended Dilution: | WB 1:2000, IF 1:100, FLOW 1:100 |
| Reactivity: | Human, Mouse |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human PNMT (NP_002677) 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: | 30.7 kDa |
| Gene Name: | phenylethanolamine N-methyltransferase |
| Database Link: | NP_002677 Entrez Gene 18948 Mouse Entrez Gene 5409 Human P11086 |
| Background: | The product of this gene catalyzes the last step of the catecholamine biosynthesis pathway, which methylates norepinephrine to form epinephrine (adrenaline). The enzyme also has beta-carboline 2N-methyltransferase activity. This gene is thought to play a key step in regulating epinephrine production. [provided by RefSeq] |
| Synonyms: | PENT; PNMTase |


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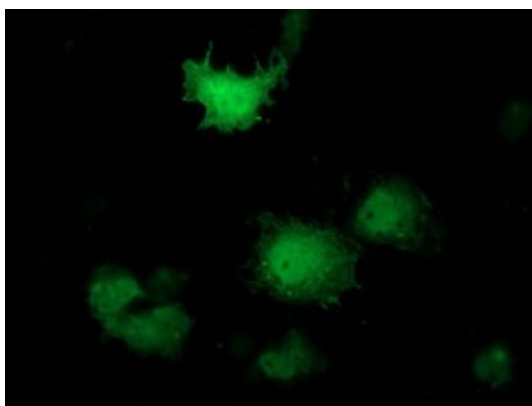
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Tyrosine metabolism

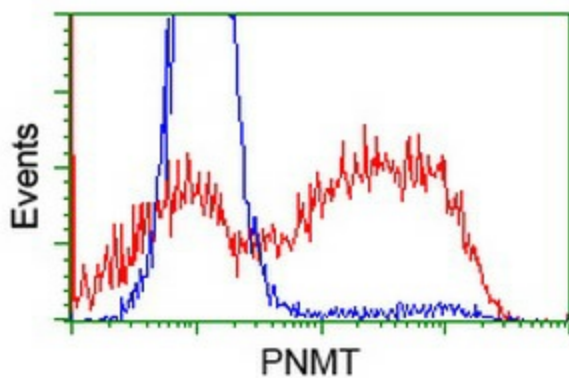
Product images:



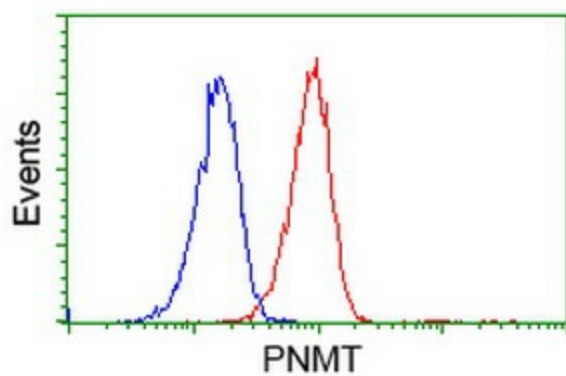
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PNMT ([RC206586], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PNMT. Positive lysates [LY400946] (100ug) and [LC400946] (20ug) can be purchased separately from OriGene.



Anti-PNMT mouse monoclonal antibody ([TA502849]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PNMT ([RC206586]).



HEK293T cells transfected with either [RC206586] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PNMT antibody ([TA502849]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-PNMT antibody ([TA502849J]), (Red), compared to a nonspecific negative control antibody, (Blue).