

For Research Use Only

PNMT Recombinant antibody, PBS Only

Catalog Number: 83979-5-PBS



Basic Information

Catalog Number: 83979-5-PBS	GenBank Accession Number: BC037246	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 5409	CloneNo.: 241111G1
Source: Rabbit	UNIPROT ID: P11086	
Isotype: IgG	Full Name: phenylethanolamine N-methyltransferase	
Immunogen Catalog Number: AG4098	Calculated MW: 282 aa, 31 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

PNMT (Phenylethanolamine N-methyltransferase) is the final enzyme in the catecholamine synthesizing cascade that converts noradrenaline to epinephrine by transferring a methyl group from S-adenosyl-L-methionine (SAM) to norepinephrine. PNMT is primarily found in the adrenal medulla, where it is responsible for the production of epinephrine. It is also present in certain areas of the brain, such as the amygdala and retina, where it may be involved in various neurophysiological functions (PMID: 17175506). Variations in the PNMT gene have been associated with Alzheimer's disease, hypertension, and other disorders (PMID: 2816488, 11514309).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

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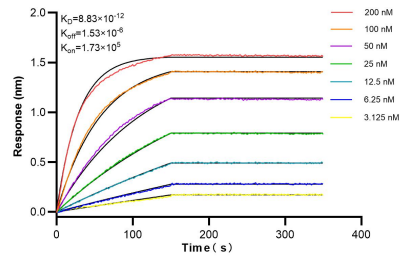
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Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 83979-5-RR (PNMT antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83979-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83979-5-RR against Human PNMT were performed. The affinity constant is 8.83 pM.