

For Research Use Only

# PNMT Recombinant antibody, PBS Only

Catalog Number: 83979-5-PBS



## Basic Information

Catalog Number:

83979-5-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4098

GenBank Accession Number:

BC037246

GeneID (NCBI):

5409

UNIPROT ID:

P11086

Full Name:

phenylethanolamine N-methyltransferase

Calculated MW:

282 aa, 31 kDa

Purification Method:

Protein A purification

CloneNo.:

241111G1

## 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.

Storage Buffer:

PBS Only

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

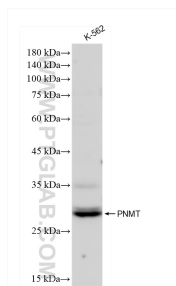
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

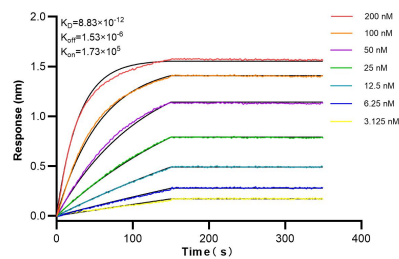
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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.