

PNMT Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21394c

Specification

PNMT Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P11086
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	30855

PNMT Antibody (Center) - Additional Information

Gene ID 5409

Other Names

Phenylethanolamine N-methyltransferase, PNMTase, Noradrenaline N-methyltransferase, PNMT, PENT

Target/Specificity

This PNMT antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 158-192 amino acids from the Central region of human PNMT.

Dilution

WB~~1:2000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PNMT Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PNMT Antibody (Center) - Protein Information

Name PNMT

Synonyms PENT

Function Catalyzes the transmethylation of nonepinephrine (noradrenaline) to form epinephrine

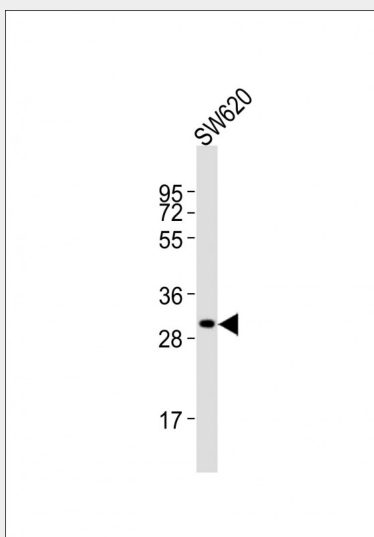
(adrenaline), using S-adenosyl-L- methionine as the methyl donor (PubMed:[20496117](#)). Other substrates include phenylethanolamine and octopamine (PubMed:[16277617](#), PubMed:[16363801](#), PubMed:[8812853](#)). Also methylates normetanephrine (By similarity).

PNMT Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PNMT Antibody (Center) - Images



Anti-PNMT Antibody (Center) at 1:2000 dilution + SW620 whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 31 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

PNMT Antibody (Center) - Background

Converts noradrenaline to adrenaline.

PNMT Antibody (Center) - References

- Kaneda N., et al. J. Biol. Chem. 263:7672-7677(1988).
Sasaoka T., et al. Neurochem. Int. 15:555-565(1989).
Baetge E.E., et al. Proc. Natl. Acad. Sci. U.S.A. 85:3648-3652(1988).
Martin J.L., et al. Structure 9:977-985(2001).
Gee C.L., et al. Biochemistry 44:16875-16885(2005).