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PNMT Rabbit pAb

Catalog # AP98506

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P11086
Other Accession	P11086
Reactivity	Rat, Human
Predicted	Pig, Mouse, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30855
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PNMT
Epitope Specificity	101-200/282
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the NNMT/PNMT/TEMT family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Phenylethanolamine N-methyltransferase, PNMT, catalyzes the synthesis of epinephrine from norepinephrine, (adrenalin from noradrenalin), in catecholamine biosynthesis.

Additional Information

Gene ID	5409
Other Names	PNMT_HUMAN; PNMT; PNMTase; Noradrenaline N-methyltransferase; 2.1.1.28; PENT; phenylethanolamine N-methyltransferase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.