

Rabbit anti-Human PNMT Polyclonal Antibody | anti-PNMT antibody

Anti-PNMT Antibody, Rabbit Polyclonal

CATALOG # AAA256636	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PNMT; Polyclonal Antibody; Anti-PNMT Antibody; Rabbit Polyclonal; PNMT Antibody; Rabbit PAb; Antigen Affinity Purified; phenylethanolamine N-methyltransferase; Anti-PENT Antibody; Anti-PNMTase Antibody; anti-PNMT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PNMT
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PNMT antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human PNMT fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PNMT fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PNMT was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate 4 uL anti-PNMT rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PNMT rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 30 kDa. Observed band size: 30 kDa.



WB (Western Blot)

Anti-PNMT rabbit polyclonal antibody at 1:500 dilution. Lane A: K562 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 31 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PNMT antibody	PNMT (phenylethanolamine-N-methyl-transferase) is the enzyme that catalyzes the formation of epinephrine from norepinephrine and thus serves as a marker of adrenergic cells. PNMT is the final enzyme in the catecholamine synthesizing cascade that converts noradrenaline (NA) to adrenaline (ADR). Both of these catecholamines are physiologically important hormones and neurotransmitters in mammals with profound influence on the activity of the cardiovascular system. PNMT is the rate-limiting enzyme in the synthesis of epinephrine and a specific marker for adrenergic neurons. The activity of human PNMT is reduced in the neurons of those cells in many subcortical areas of the brain that are known to undergo neurodegeneration in Alzheimer's disease (AD).
References	Tillinger A, et al. (2006) Modulation by 6-hydroxydopamine of expression of the phenylethanolamine n-methyltransferase (pnmt) gene in the rat heart during immobilization stress. Stress 9 (4): 207-213.Owji A, et al. (2013) Therapeutic potential of pnmt+ primer cells for neuro/myocardial regeneration. Am J Stem Cells 2 (3): 137-154.Mann MB, et al. (2001) Phenylethanolamine n-methyltransferase (pnmt) gene and early-onset alzheimer disease. Am J Med Genet 105 (4): 312-316.Burke WJ, et al. (1990) Evidence for decreased transport of pnmt protein in advanced alzheimer's disease. J Am Geriatr Soc 38 (12): 1275-1282.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pnmt-antibody-immunoprecipitation-western-blot-elisa/256636>