

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

PNMT Antibody

|                               |                       |                            |                                                                        |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------|
| CATALOG #<br><b>AAA234119</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------------|

### PRODUCT SYNONYMS

PNMT; Polyclonal Antibody; PNMT Antibody; Phenylethanolamine N-methyltransferase; PNMTase; Noradrenaline N-methyltransferase; PENT; anti-PNMT antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                           |
| Reactivity                                     | Human                                                                            |
| Clonality                                      | Polyclonal                                                                       |
| Isotype                                        | IgG                                                                              |
| Purity/Purification                            | >95%, Protein G purified                                                         |
| Form/Format                                    | Liquid                                                                           |
| Sequence Length                                | 282                                                                              |
| Applicable Applications for anti-PNMT antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                       |
| Immunogen                                      | Recombinant Human Phenylethanolamine N-methyltransferase protein (1-176AA)       |
| Conjugation                                    | Non-conjugated                                                                   |
| Buffer                                         | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                        | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence staining of MCF-7 cells with AAA234119 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



#### IHC (Immunohistochemistry)

IHC image of AAA234119 diluted at 1:100 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

### ADDITIONAL INFORMATION

|                                                    |                                                  |
|----------------------------------------------------|--------------------------------------------------|
| Related Product Information for anti-PNMT antibody | Converts noradrenaline to adrenaline.            |
| Product Categories/Family for anti-PNMT antibody   | Neuroscience; Cancer; Cardiovascular; Metabolism |

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 4505921                                |
| NCBI GeneID                      | 5409                                   |
| NCBI Accession #                 | NP_002677.1                            |
| NCBI GenBank Nucleotide #        | NM_002686.4                            |
| UniProt Accession #              | P11086                                 |
| Molecular Weight                 | 30,855 Da                              |
| NCBI Official Full Name          | phenylethanolamine N-methyltransferase |
| NCBI Official Synonym Full Names | phenylethanolamine N-methyltransferase |
| NCBI Official Symbol             | PNMT                                   |
| NCBI Official Synonym Symbols    | PENT; PNMTase                          |
| NCBI Protein Information         | phenylethanolamine N-methyltransferase |
| UniProt Protein Name             | Phenylethanolamine N-methyltransferase |
| UniProt Gene Name                | <b>PNMT</b>                            |
| UniProt Synonym Gene Names       | PENT; PNMTase                          |

**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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