

**PNMT Antibody (clone AT1C11)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS15726****Specification**

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**PNMT Antibody (clone AT1C11) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">P11086</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 31kDa KDa              |

**PNMT Antibody (clone AT1C11) - Additional Information****Gene ID** 5409**Other Names**

Phenylethanolamine N-methyltransferase, PNMTase, 2.1.1.28, Noradrenaline N-methyltransferase, PNMT, PENT

**Target/Specificity**

Human PNMT

**Reconstitution & Storage**

Can be stored at 4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

**Precautions**

PNMT Antibody (clone AT1C11) is for research use only and not for use in diagnostic or therapeutic procedures.

**PNMT Antibody (clone AT1C11) - Protein Information****Name** PNMT**Synonyms** PENT**Function**

Catalyzes the transmethylation of norepinephrine (noradrenaline) to form epinephrine (adrenaline), using S-adenosyl-L- methionine as the methyl donor (PubMed:<a href="http://www.uniprot.org/citations/20496117" target="\_blank">20496117</a>). Other substrates include phenylethanolamine and octopamine (PubMed:<a href="http://www.uniprot.org/citations/8812853" target="\_blank">8812853</a>, PubMed:<a href="http://www.uniprot.org/citations/16363801" target="\_blank">16363801</a>, PubMed:<a href="http://www.uniprot.org/citations/16277617" target="\_blank">16277617</a>). Also methylates normetanephrine (By similarity).

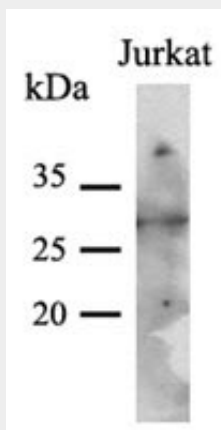
**Volume**  
50 µl

### **PNMT Antibody (clone AT1C11) - Protocols**

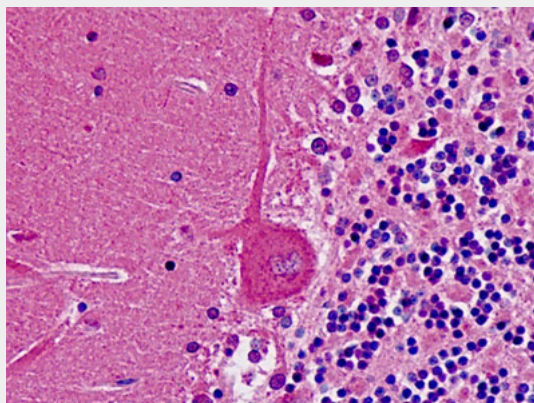
Provided below are standard protocols that you may find useful for product applications.

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

### **PNMT Antibody (clone AT1C11) - Images**



Western Blot: The cell lysates (40 ug) were resolved by SDS-PAGE, transferred to PVDF membrane...



Anti-PNMT antibody IHC staining of human brain, cerebellum.

### **PNMT Antibody (clone AT1C11) - Background**

Converts noradrenaline to adrenaline.

### **PNMT Antibody (clone AT1C11) - 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).