

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

PNMT Antibody (clone AT1C11) - Product Information

Application	WB, IHC
Primary Accession	P11086
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:20496117). Other substrates include phenylethanolamine and octopamine (PubMed:8812853, PubMed:16363801, PubMed:16277617). Also methylates normetanephrine (By similarity).

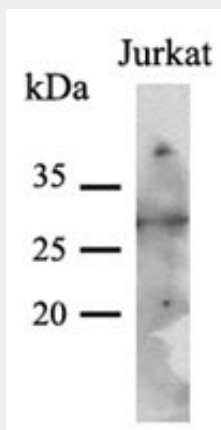
Volume
50 μ l

PNMT Antibody (clone AT1C11) - Protocols

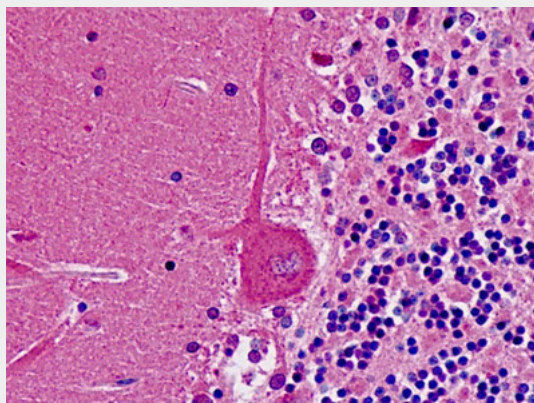
Provided below are standard protocols that you may find useful for product applications.

- [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).