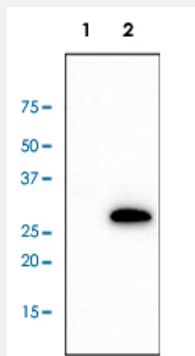


# PNMT monoclonal antibody, clone AT1C11

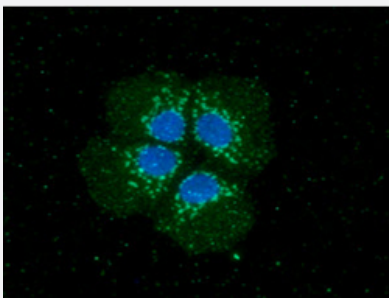
Catalog # MAB11111 Size 100 uL

## Applications



### Western Blot (Transfected lysate)

The cell lysates (40 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with PNMT monoclonal antibody, clone AT1C11 (Cat # MAB11111) (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: 293T cell lysate Lane 2: PNMT transfected 293T cell lysate



### Immunofluorescence

Immunofluorescence analysis of PNMT in Hep3B cells. The cell was stained with PNMT monoclonal antibody, clone AT1C11 (Cat # MAB11111) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

## Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant PNMT.
Immunogen	Recombinant protein corresponding to amino acids 1-282 of human PNMT.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Concentration	1 mg/mL
Isotype	IgG2a, kappa
Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

The cell lysates (40 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with PNMT monoclonal antibody, clone AT1C11 (Cat # MAB11111) (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: 293T cell lysate Lane 2: PNMT transfected 293T cell lysate

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of PNMT in Hep3B cells. The cell was stained with PNMT monoclonal antibody, clone AT1C11 (Cat # MAB11111) (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — PNMT

Entrez GeneID	<a href="#">5409</a>
Protein Accession#	<a href="#">NP_002677</a>
Gene Name	PNMT
Gene Alias	MGC34570, PENT, PNMTase
Gene Description	phenylethanolamine N-methyltransferase

Omim ID	<a href="#">171190</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The product of this gene catalyzes the last step of the catecholamine biosynthesis pathway, which methylates norepinephrine to form epinephrine (adrenaline). The enzyme also has beta-carboline 2N-methyltransferase activity. This gene is thought to play a key step in regulating epinephrine production. [provided by RefSeq]
Other Designations	OTTHUMP00000164271 noradrenaline N-methyltransferase phenylethanolamine N-methylase

## Pathway

- [Metabolic pathways](#)
- [Tyrosine metabolism](#)

## Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Behavior Therapy](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Mental Disorders](#)

- [Multiple Sclerosis](#)
- [Obesity](#)
- [Personality Inventory](#)
- [Reward](#)
- [Weight Loss](#)