

PCMT1 Rabbit pAb

Catalog NO.: A6684 **1 Publications**

Basic Information

Observed MW

25kDa

Calculated MW

25kDa

Category

Polyclonal Antibodies

Applications

WB, IF/ICC, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Background

This gene encodes a member of the type II class of protein carboxyl methyltransferase enzymes. The encoded enzyme plays a role in protein repair by recognizing and converting D-aspartyl and L-isoaspartyl residues resulting from spontaneous deamidation back to the normal L-aspartyl form. The encoded protein may play a protective role in the pathogenesis of Alzheimer's disease, and single nucleotide polymorphisms in this gene have been associated with spina bifida and premature ovarian failure. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:100

IP

0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Contact

Immunogen Information

Gene ID

5110

Swiss Prot

P22061

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

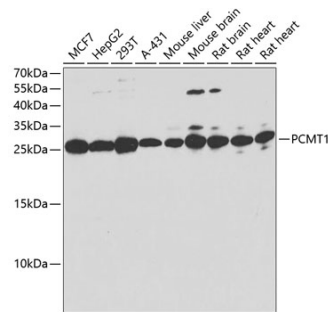
PIMT; PCMT1

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Western blot analysis of various lysates using PCMT1 Rabbit pAb (A6684).

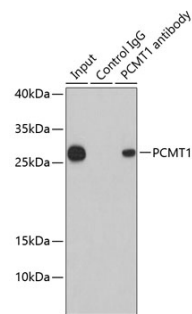
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

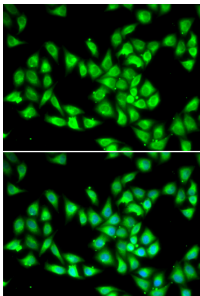
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Immunoprecipitation analysis of 200 µg extracts of HepG2 cells using 1 µg PCMT1 antibody (A6684). Western blot was performed from the immunoprecipitate using PCMT1 antibody (A6684) at a dilution of 1:1000.



Immunofluorescence analysis of HeLa cells using PCMT1
Rabbit pAb (A6684). Secondary antibody: Cy3-
conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500
dilution. Blue: DAPI for nuclear staining.