

PCMT1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12929**Specification**

PCMT1 antibody - middle region - Product Information

Application	WB
Primary Accession	P22061
Other Accession	NM_005389 , NP_005380
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Goat, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25kDa KDa

PCMT1 antibody - middle region - Additional Information**Gene ID** 5110**Alias Symbol** **PIMT****Other Names**

Protein-L-isoaspartate(D-aspartate) O-methyltransferase, PIMT, 2.1.1.77, L-isoaspartyl protein carboxyl methyltransferase, Protein L-isoaspartyl/D-aspartyl methyltransferase, Protein-beta-aspartate methyltransferase, PCMT1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-PCMT1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PCMT1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

PCMT1 antibody - middle region - Protein Information**Name** PCMT1**Function**

Initiates the repair of damaged proteins by catalyzing methyl esterification of L-isoaspartyl and D-aspartyl residues produced by spontaneous isomerization and racemization of L-aspartyl and L-asparaginyl residues in aging peptides and proteins (PubMed:3167043, PubMed:6469980). Acts on

EIF4EBP2, microtubule-associated protein 2, calreticulin, clathrin light chains a and b, Ubiquitin C-terminal hydrolase isozyme L1, phosphatidylethanolamine-binding protein 1, stathmin, beta-synuclein and alpha-synuclein (By similarity).

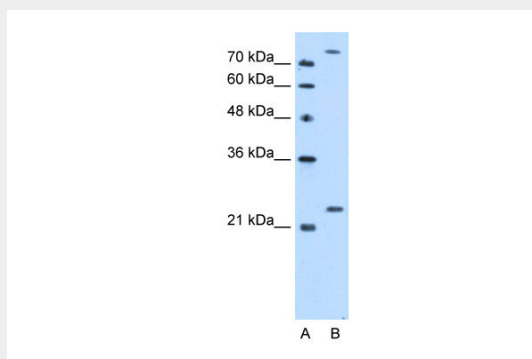
Cellular Location

Cytoplasm, cytosol.

PCMT1 antibody - middle region - 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](#)

PCMT1 antibody - middle region - Images

WB Suggested Anti-PCMT1 Antibody Titration: 2.5µg/ml

Positive Control: HepG2 cell lysate

PCMT1 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells

PCMT1 antibody - middle region - References

Kosugi, S., (2008) Biochem. Biophys. Res. Commun. 371(1), 22-27 Reconstitution and Storage: For shorter term, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.