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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).

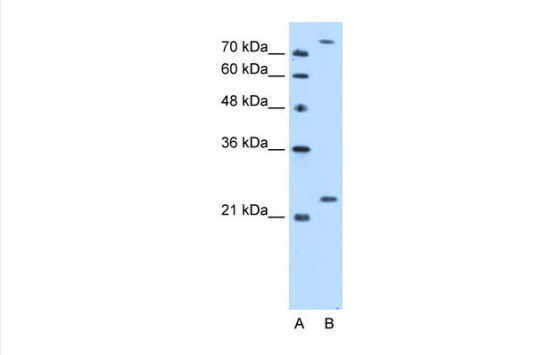
Cellular Location
Cytoplasm, cytosol.

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 Cytomety
- 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),22-27ReconstitutionandStorage:Forshortter muse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawc ycles.