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PCMT1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12929

Product Information

Application	WB
Primary Accession	P22061
Other Accession	NM_005389, NP_005380
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Dog, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24636

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.

Protein Information

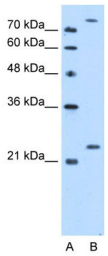
Name	PCMT1
Function	Initiates the repair of damaged proteins by catalyzing methyl esterification of L-isoaspartyl and D-aspartyl residues produced by spontaneous isomerization and racemization of L-aspartyl and L- asparaginyl residues in aging peptides and proteins (PubMed:3167043, PubMed:6469980). Acts 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.

References

Kosugi,S.,(2008)Biochem.Biophys.Res.Commun.371(1),22-27ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.