SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-PCMT1 antibody

Catalog Number: SL6211R

FOR RESEARCH USE ONLY

[DATASHEET]

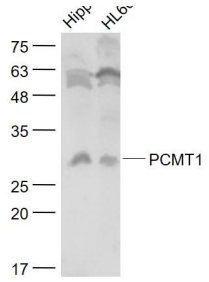
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	PCMT1
Immunogen:	KLH conjugated synthetic peptide derived from human PCMT1: 165-227/227
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human, Rat (predicted: Mouse, Pig, Cow, Dog, Horse)
Predicted MW.:	25kDa
Subcellular Location:	cytoplasmic
Background:	PCMT1 (Protein-L-isoaspartate (D-aspartate) O-methyltransferase) plays a role in the repair and/or degradation of damaged proteins by initiating the conversion of abnormal D-aspartyl and L-isoaspartyl residues to the normal L-aspartyl form. It catalyzes the methyl esterification of L-isoaspartyl and D-aspartyl residues in peptides and proteins that result from spontaneous deamidation, isomerization, and racemization of normal L-aspartyl and L-asparaginyl residues. **Function:** Catalyzes the methyl esterification of L-isoaspartyl and D-aspartyl residues in peptides and proteins that result from spontaneous decomposition of normal L-aspartyl and L-asparaginyl residues. It plays a role in the repair and/or degradation of damaged proteins. Acts on microtubule-associated protein 2, calreticulin, clathrin light chains a and b, Ubiquitin carboxyl-

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

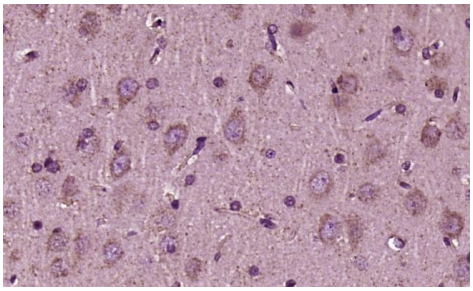
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	terminal hydrolase isozyme L1, phosphatidylethanolamine-binding protein 1, stathmin, beta-synuclein and alpha-synuclein (By similarity). **Subunit:** Monomer. **Subcellular Location:** Cytoplasm. **Similarity:** Belongs to the methyltransferase superfamily. L-isoaspartyl/D-aspartyl protein methyltransferase family. **Database links:** **Entrez Gene:** 5110 Human **Entrez Gene:** 25604 Rat Omim: 176851 Human **SwissProt:** P22061 Human **SwissProt:** P23506 Mouse **SwissProt:** P22062 Rat **Unigene:** 279257 Human **Unigene:** 258431 Mouse **Unigene:** 86985 Rat

[VALIDATION IMAGES]



Sample:
Hippocampus (Mouse) Lysate at 40 ug
HL60(Human) Cell Lysate at 30 ug
Primary: Anti- PCMT1 (SL6211R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25 kD
Observed band size: 28 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PCMT1) Polyclonal Antibody, Unconjugated (SL6211R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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