

## Product datasheet for **TA308667**

### PCMT1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 10 and 227 of PCMT1
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25 kDa
Gene Name:	protein-L-isoaspartate (D-aspartate) O-methyltransferase
Database Link:	<a href="#">NP_005380</a> <a href="#">Entrez Gene 5110 Human</a> <a href="#">P22061</a>

**Background:** Three classes of protein carboxyl methyltransferases, distinguished by their methyl-acceptor substrate specificity, have been found in prokaryotic and eukaryotic cells. The type II enzyme catalyzes the transfer of a methyl group from S-adenosyl-L-methionine to the free carboxyl groups of D-aspartyl and L-isoaspartyl residues. These methyl-accepting residues result from the spontaneous deamidation, isomerization, and racemization of normal L-aspartyl and L-asparaginyl residues and represent sites of covalent damage to aging proteins PCMT1 (EC 2.1.1.77) is a protein repair enzyme that initiates the conversion of abnormal D-aspartyl and L-isoaspartyl residues to the normal L-aspartyl form. [supplied by OMIM]

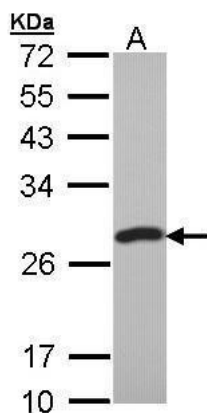


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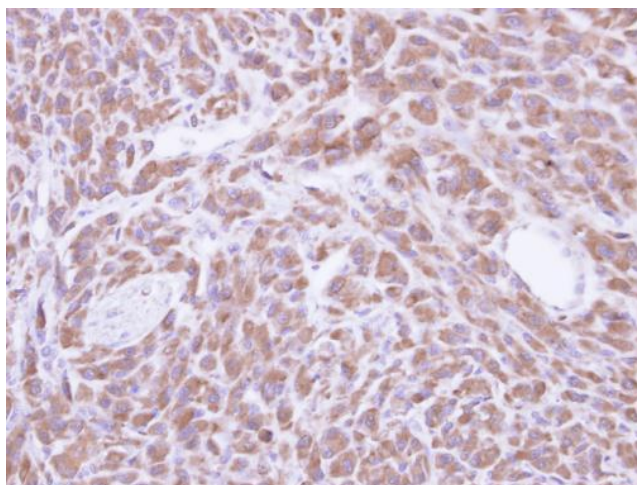
Synonyms: PIMT

Protein Families: Druggable Genome

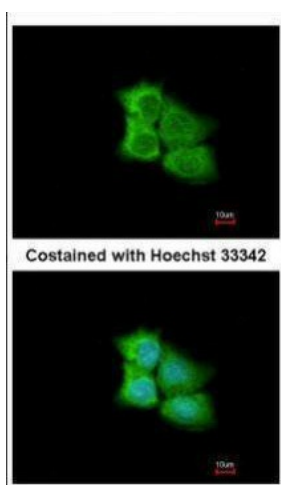
### Product images:



Sample (30 ug of whole cell lysate). A: 293T. 12% SDS PAGE. TA308667 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded U87 xenograft, using PCMT1 (TA308667) antibody at 1:500 dilution.



Immunofluorescence analysis of methanol-fixed A431, using PCMT1 (TA308667) antibody at 1:200 dilution.