

Rabbit anti-Human PCMT1 Polyclonal Antibody | anti-PCMT1 antibody

PCMT1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304325	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

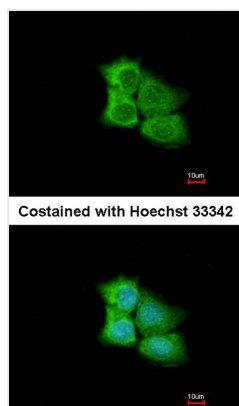
PRODUCT SYNONYMS

PCMT1; Polyclonal Antibody; PCMT1 antibody; anti-PCMT1 antibody

PRODUCT SPECIFICATIONS

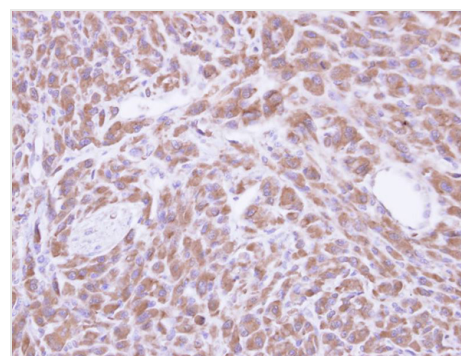
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Purified by antigen-affinity chromatography.
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Sequence Length	285
Applicable Applications for anti-PCMT1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 197 of PCMT1
Target Name	PCMT1
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



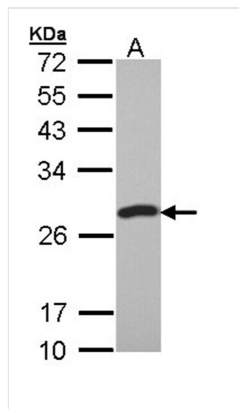
IF (Immunofluorescence)

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



IHC (Immunohistochemistry)

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



Application Data

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

ADDITIONAL INFORMATION

Related Product Information for anti-PCMT1 antibody	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]
Product Categories/Family for anti-PCMT1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	226530908
NCBI GeneID	5110
NCBI Accession #	NP_005380
NCBI GenBank Nucleotide #	NM_005389.2
Molecular Weight	24,679 Da
NCBI Official Full Name	protein-L-isoaspartate(D-aspartate) O-methyltransferase isoform 1
NCBI Official Synonym Full Names	protein-L-isoaspartate (D-aspartate) O-methyltransferase
NCBI Official Symbol	PCMT1
NCBI Official Synonym Symbols	PIMT
NCBI Protein Information	protein-L-isoaspartate(D-aspartate) O-methyltransferase
UniProt Protein Name	Protein-L-isoaspartate(D-aspartate) O-methyltransferase
UniProt Gene Name	PCMT1
UniProt Synonym Gene Names	PIMT
UniProt Entry Name	PIMT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.