



# Anti-PCMT1 (aa 117-225) polyclonal antibody (DPAB-DC2122)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a member of the type II class of protein carboxyl methyltransferase enzymes. The encoded enzyme plays a role in protein repair by recognizing and converting D-aspartyl and L-isoaspartyl residues resulting from spontaneous deamidation back to the normal L-aspartyl form. The encoded protein may play a protective role in the pathogenesis of Alzheimers disease, and single nucleotide polymorphisms in this gene have been associated with spina bifida and premature ovarian failure. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
<b>Immunogen</b>	PCMT1 (NP_005380, 117 a.a. ~ 225 a.a) partial recombinant protein with GST tag. The sequence is DDSVNNVRKDDPTLLSSGRVQLVVGDRMGYAEAPYDAIHVGAAAPVVPQALIDQLKPG GRLILPVGPAGGNQMLEQYDKLQDGSIKMKPLMGVIYVPLTDKEKQWSR
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PCMT1 protein-L-isoaspartate (D-aspartate) O-methyltransferase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PCMT1
<b>Synonyms</b>	PCMT1; protein-L-isoaspartate (D-aspartate) O-methyltransferase; PIMT; protein-L-isoaspartate(D-aspartate) O-methyltransferase; protein-beta-aspartate methyltransferase; L-isoaspartyl protein carboxyl methyltransferase; protein L-isoaspartyl/D-aspartyl methyltransferase;
<b>Entrez Gene ID</b>	<a href="#">5110</a>
<b>Protein Refseq</b>	<a href="#">NP_001238978</a>
<b>UniProt ID</b>	<a href="#">H7BY58</a>
<b>Chromosome Location</b>	6q24-q25
<b>Function</b>	protein-L-isoaspartate (D-aspartate) O-methyltransferase activity;