



Anti-PCMT1 (full length) polyclonal antibody (DPAB-DC2121)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	PCMT1 (AAH07501.1, 1 a.a. ~ 228 a.a) full-length recombinant protein with GST tag. The sequence is MAWKSGGASHSELIHNLRKNGIIKTDKVFEVMLATDRSHYAKCNPYMDSPQSIGFQATIS APHMAYALELLFDQLHEGAKALDVGSQSGILTACFARMVGCTGKVIGIDHIKELVDDSV NNVRKDDPTLLSSGRVQLVVGDRMGYAAEAPYDAIHVGAAAPVVPQALIDQLKPGGRLI LPVGPAGGNQMLEQYDKLQDGSIKMKPLMGVIYVPLTDKEKQWSRDEL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PCMT1 protein-L-isoaspartate (D-aspartate) O-methyltransferase [Homo sapiens (human)]
Official Symbol	PCMT1
Synonyms	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;
Entrez Gene ID	5110
Protein Refseq	NP_001238978
UniProt ID	H7BY58
Chromosome Location	6q24-q25
Function	protein-L-isoaspartate (D-aspartate) O-methyltransferase activity;