



Anti-PLD1 (aa 965-1074) polyclonal antibody (DPAB-DC2270)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a phosphatidylcholine-specific phospholipase which catalyzes the hydrolysis of phosphatidylcholine in order to yield phosphatidic acid and choline. The enzyme may play a role in signal transduction and subcellular trafficking. Alternative splicing results in multiple transcript variants with both catalytic and regulatory properties.
Immunogen	PLD1 (NP_002653, 965 a.a. ~ 1074 a.a) partial recombinant protein with GST tag. The sequence is GYLDDPSEDIQDPVSDKFFKEVWVSTAARNATIYDKVFRCLPNDEVHNLQLRDFINKPV LAKEDPIRAEEELKKIRGFLVQFPFYFLSEESLLPSVGTKEAIVPMEVWT
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 [PLD1 phospholipase D1, phosphatidylcholine-specific \[Homo sapiens \(human\) \]](#)

Official Symbol	PLD1
Synonyms	PLD1; phospholipase D1, phosphatidylcholine-specific; phospholipase D1; choline phosphatase 1; phosphatidylcholine-hydrolyzing phospholipase D1;
Entrez Gene ID	5337
Protein Refseq	NP_001123553
UniProt ID	Q59EA4
Chromosome Location	3q26
Pathway	Alpha-synuclein signaling; Arf6 trafficking events; EGFR1 Signaling Pathway; ErbB1 downstream signaling
Function	N-acylphosphatidylethanolamine-specific phospholipase D activity; phosphatidylinositol binding; phospholipase D activity; protein binding