



Anti-PLCD1 (aa 1-100) polyclonal antibody (DPAB-DC2266)

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 phospholipase C family. Phospholipase C isozymes play critical roles in intracellular signal transduction by catalyzing the hydrolysis of phosphatidylinositol 4,5-bisphosphate (PIP2) into the second messengers diacylglycerol (DAG) and inositol triphosphate (IP3). The encoded protein functions as a tumor suppressor in several types of cancer, and mutations in this gene are a cause of hereditary leukonychia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Immunogen	PLCD1 (AAH50382, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MDSGRDFLT LHGLQDDEDLQALLKGSQLLKVKSSSWRRERFYKLQEDCKTIWQESRKVMR TPESQLFSIEDIQEVRMGHRTEGLEKFARDVPEDRCFSIV
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	PLCD1 phospholipase C, delta 1 [Homo sapiens (human)]
Official Symbol	PLCD1
Synonyms	PLCD1; phospholipase C, delta 1; NDNC3; PLC-III; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1; PLC-delta-1; phospholipase C-III; phosphoinositide phospholipase C-delta-1; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-1;
Entrez Gene ID	5333
Protein Refseq	NP_001124436
UniProt ID	P51178
Chromosome Location	3p22-p21.3
Pathway	Calcium signaling pathway; D-myo-inositol (1,4,5)-trisphosphate biosynthesis; D-myo-inositol-5-phosphate metabolism; Inositol phosphate metabolism
Function	GTPase activating protein binding; calcium ion binding; phosphatidylinositol phospholipase C activity; signal transducer activity