



Anti-PLCD3 (aa 349-589) polyclonal antibody (DPABH-03587)

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

PRODUCT INFORMATION

Antigen Description	Hydrolyzes the phosphatidylinositol 4,5-bisphosphate (PIP2) to generate 2 second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). DAG mediates the activation of protein kinase C (PKC), while IP3 releases Ca(2+) from intracellular stores. Essential for trophoblast and placental development. May participate in cytokinesis by hydrolyzing PIP2 at the cleavage furrow.
Immunogen	Recombinant fragment corresponding to a region within amino acids 349-589 of Human PLC-delta-3 (UniProt: Q8N3E9).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	100 µl
Buffer	pH: 7.00; Constituents: 0.75% Glycine, 1.21% Tris, 20% Glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PLCD3 phospholipase C, delta 4 [Homo sapiens]
Official Symbol	PLCD3
Synonyms	PLCD3; phospholipase C, delta 3; PLC-delta-3; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3; PLC delta3; phosphoinositide phospholipase C-delta-3; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-3;
Entrez Gene ID	113026
Protein Refseq	NP_588614.1
UniProt ID	Q8N3E9
Pathway	Calcium signaling pathway; D-myo-inositol (1,4,5)-trisphosphate biosynthesis; Inositol phosphate metabolism; Inositol phosphate metabolism
Function	calcium ion binding; phosphatidylinositol phospholipase C activity; signal transducer activity;