



Anti-PLCB1 (aa 1107-1216) polyclonal antibody (DPAB-DC1067)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of many extracellular signals. This gene is activated by two G-protein alpha subunits, alpha-q and alpha-11. Two transcript variants encoding different isoforms have been found for this gene.
Immunogen	PLCB1 (NP_056007, 1107 a.a. ~ 1216 a.a) partial recombinant protein with GST tag. The sequence is VQYIKRLEEQAQSKRQEKLVKHKHKEIRQQILDEKPKLQVELEQEYQDKFKRLPLEILEFVQ EAMKGKISEDNSNHGSAPLSLSSDPGKVNHKTPSSEELGGDIPGKEFDTPL
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	PLCB1 phospholipase C, beta 1 (phosphoinositide-specific) [Homo sapiens (human)]
Official Symbol	PLCB1
Synonyms	PLCB1; phospholipase C, beta 1 (phosphoinositide-specific); PLC-I; EIEE12; PI-PLC; PLC154; PLCB1A; PLCB1B; PLC-154; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1; PLC-beta-1; phospholipase C-I; phosphoinositidase C; inositoltrisphosphohydrolase; triphosphoinositide phosphodiesterase; monophosphatidylinositol phosphodiesterase; 1-phosphatidyl-D-myo-inositol-4,5-bisphosphate;
Entrez Gene ID	23236
Protein Refseq	NP_056007
UniProt ID	Q9NQ66
Chromosome Location	20p12
Pathway	AMPK signaling; Activation of Kainate Receptors upon glutamate binding; African trypanosomiasis; Alzheimers Disease
Function	GTPase activator activity; calcium ion binding; calmodulin binding; enzyme binding