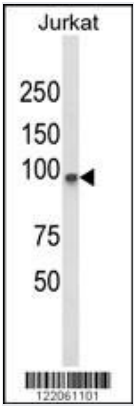
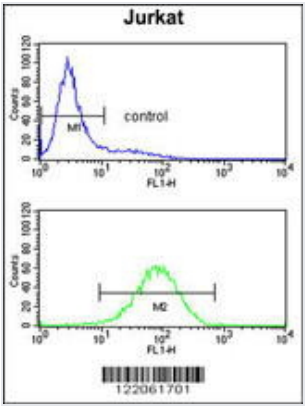
PLCL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLCL1, Polyclonal Antibody
Full Product Name	PLCL1, NT (Phospholipase C-related But Catalytically Inactive Protein, PRIP, Phospholipase C-deleted In Lung Carcinoma, Inactive Phospholipase C-like Protein 1, PLC-L1) (AP)
Product Gene Name	anti-PLCL1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human PLCL1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Do not freeze alkaline phosphatase conjugates which could result in a substantial loss of enzymatic activity. Light sensitive. Aliquots are stable for at least 6 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	113.0122
OMIM	600597
3D Structure	ModBase 3D Structure for Q15111
Immunogen	Synthetic peptide selected from the N-terminal region of human PLCL1 (KLH).
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-PLCL1 antibody	Antibodies; Enzymes; Phospholipase
Applications Tested/Suitable for anti-PLCL1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PLCL1 antibody	WB: 1:100-1:500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PLCL1 antibody	MBS6493278 is an antibody targeting PLCL1. Also known as PLCL1, NT (Phospholipase C-related But Catalytically Inactive Protein, PRIP, Phospholipase C-deleted In Lung Carcinoma, Inactive Phospholipase C-like Protein 1, PLC-L1) (AP). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-PLCL1 antibody	1. Liu, Y.Z., et.al., PLoS ONE 3(9), E3160 (2008).
Other Notes	Small volumes of anti-PLCL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PLCL1 antibody
Western blot analysis of PLCL1 Antibody (N-term) in Jurkat cell line lysates (35ug/lane). PLCL1 (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-PLCL1 antibody
PLCL1 Antibody (N-term) flow cytometry analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLCL1. It may not necessarily be applicable to this product.

NCBI GI #	167900450
NCBI Accession #	NP_006217.2
UniProt Primary Accession #	Q15111
GenBank Nucleotide #	NP_006217.2
NCBI Official Full Name	phospholipase C-like 1 isoform b
UniProt Protein Name	Inactive phospholipase C-like protein 1
UniProt Synonym Protein Names	Phospholipase C-deleted in lung carcinoma; Phospholipase C-related but catalytically inactive protein; PRIP
Protein Family	Inactive phospholipase C-like protein
UniProt Gene Name	PLCL1
UniProt Synonym Gene Names	PLC-L1; PRIP
UniProt Entry Name	PLCL1_HUMAN
UniProt Comments for PLCL1	PLCL1: a protein closely related to phospholipase C-d1 (PLC-d1) but catalytically inactive. First identified as a novel inositol 1,4,5-trisphosphate binding protein. Has a number of binding partners including protein phosphatase (PP1 and 2A), GABA(A) receptor associated protein, and the beta subunits of GABA(A) receptors, in addition to inositol 1,4,5-trisphosphate. Plays an important role in controlling the dynamics of GABA(A) receptor phosphorylation through PP1 binding and, therefore, the efficacy of synaptic inhibition mediated by these receptors. Protein type: Phospholipase Chromosomal Location of Human Ortholog: 2q33 Cellular Component: cytoplasm; plasma membrane Molecular Function: signal transducer activity; GABA receptor binding; phosphoinositide phospholipase C activity; phospholipase C activity Biological Process: regulation of peptidyl-serine phosphorylation; lipid metabolic process; regulation of synaptic transmission, GABAergic; gamma-aminobutyric acid signaling pathway

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