

For Research Use Only

PLCB3 Recombinant antibody

Catalog Number: 85786-1-RR



Basic Information

Catalog Number:

85786-1-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC142681

GeneID (NCBI):

5331

UNIPROT ID:

Q01970

Full Name:

phospholipase C, beta 3
(phosphatidylinositol-specific)

Calculated MW:

1234 aa, 139 kDa

Observed MW:

139-150 kDa

Purification Method:

Protein A purification

CloneNo.:

243045B8

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, Jurkat cells, MCF-7 cells, U2OS cells, K-562 cells

Background Information

PLCB3 is a member of the phosphoinositide phospholipase C beta enzyme family that catalyze the production of the secondary messengers diacylglycerol and inositol 1,4,5-triphosphate from phosphatidylinositol in G-protein-linked receptor-mediated signal transduction. Six subfamilies of PLCs (B, G, D, E, Z and H) constitute part of ubiquitous signaling cascades that translate hormonal signals into intracellular events, leading to alternations in cell function. PLCB isoforms 1-4 are stimulated by G-protein activation ($G_{\alpha q/11}$ and/or $G_{\beta \gamma}$). Independent of its enzymatic activity, PLCB3 inhibits the proliferation of hematopoietic stem cells (HSCs) and myeloid cells.

Storage

Storage:

Store at -20°C . Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

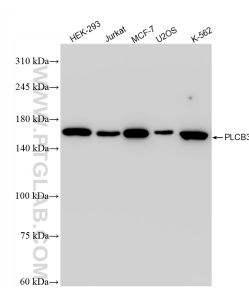
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85786-1-RR (PLCB3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.