

For Research Use Only

PLCB3 Recombinant antibody, PBS Only

Catalog Number: 85786-1-PBS



Basic Information

Catalog Number:

85786-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

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 (Gαq/11 and/or Gβγ). Independent of its enzymatic activity, PLCB3 inhibits the proliferation of hematopoietic stem cells (HSCs) and myeloid cells.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

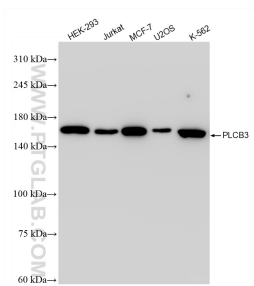
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 85786-1-PBS in a different storage buffer formulation.