



PLC β 3(Phospho Ser537) Rabbit mAb

Catalog No	YP-rAb-18313
Isotype	IgG
Reactivity	Human
Applications	WB,IF,ELISA
Gene Name	PLCB3
Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3
Purification Process	Protein A
Specificity	PLC β 3 (Phospho Ser537) Antibody detects endogenous levels of PLC β 3 protein only when phosphorylated at S537. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):QKsLG
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000;
Concentration	0.5 mg/ml
Purity	\geq 90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	PLCB3 ; 1-phosphatidylinositol 4 ; 5-bisphosphate phosphodiesterase beta-3 ; Phosphoinositide phospholipase C-beta-3 ; Phospholipase C-beta-3 ; PLC-beta-3
Observed Band	150kD
Calculated Molecular Weight	139kD
Cell Pathway	Cytoplasm . Membrane . Nucleus . And particulate fractions. .
Tissue Specificity	Epithelium,Uterus,
Function	Catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1D-myo-inositol 1,4,5-trisphosphate + diacylglycerol.,cofactor:Calcium.,Function:The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C

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enzymes.,similarity:Contains 1 C2 domain.,similarity:Contains 1 PI-PLC X-box domain.,similarity:Contains 1 PI-PLC Y-box domain.,subunit:Interacts with SHANK2 (By similarity). Interacts with LPAR2.,

Background

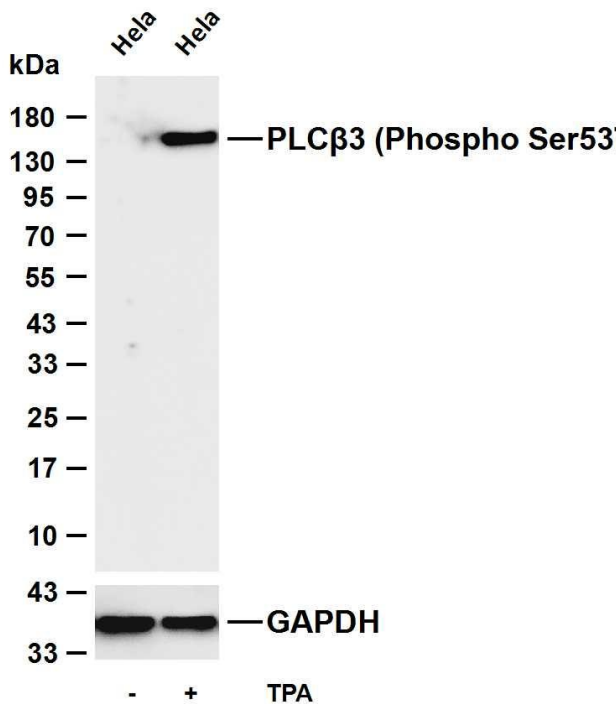
This gene encodes a member of the phosphoinositide phospholipase C beta enzyme family that catalyze the production of the secondary messengers diacylglycerol and inositol 1,4,5-triphosphate from phosphatidylinositol in G-protein-linked receptor-mediated signal transduction. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PLC β 3 (Phospho Ser537) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HeLa was treated with TPA(200nM) for 15 minutes Predicted band size: 139kDa Observed band size: 150kDa

