

Datasheet for ABIN1415617

anti-Phospholipase C beta 1 antibody (AA 441-540) (Cy7)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Phospholipase C beta 1 (PLCB1)
Binding Specificity:	AA 441-540
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholipase C beta 1 antibody is conjugated to Cy7
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Phospholipase C beta 1
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	Phospholipase C beta 1 (PLCB1)
Alternative Name:	Phospholipase C beta 1 (PLCB1 Products)

Target Details

Background:	Synonyms: 1-phosphatidylinositol-45-bisphosphate phosphodiesterase beta 1, 1vphosphatidylinositol 4,5 bisphosphate phosphodiesterase beta 1 , Phosphb, Phosphoinositide phospholipase C, Phosphoinositide phospholipase C-beta 1, Phospholipase C beta 1 phosphoinositide-specic, Phospholipase C I, PI PLC, PLC 1, PLC_1, PLC-154, PLC-beta-1, PLC-I, PLC154, Plcb, PLCB1, Plcb1 protein, PLCbeta1. Background: Phospholipase C beta 1 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. Its gene is activated by two G-protein alpha subunits, alpha-q and alpha-11. Two transcript variants encoding different isoforms have been found for its gene.
Gene ID:	23236
Pathways:	WNT Signaling , AMPK Signaling , Thyroid Hormone Synthesis , Inositol Metabolic Process , Regulation of Muscle Cell Differentiation , Regulation of G-Protein Coupled Receptor Protein Signaling , Proton Transport , Skeletal Muscle Fiber Development , CXCR4-mediated Signaling Events , G-protein mediated Events

Application Details

Application Notes:	FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months