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Datasheet for ABIN2808907

## anti-Phospholipase C beta 1 antibody (AA 441-540) (AbBy Fluor® 594)

### 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 AbBy Fluor® 594
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 ( <a href="#">PLCB1 Products</a> )

## Target Details

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**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.

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**Gene ID:** 23236

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**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

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**Application Notes:** FCM 1:20-100  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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## Handling

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

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Expiry Date: 12 months