



Datasheet for ABIN744848

anti-Phospholipase C gamma 2 antibody (pTyr759)



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1 Publication

Overview

Quantity:	100 µL
Target:	Phospholipase C gamma 2 (PLCG2)
Binding Specificity:	pTyr759
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholipase C gamma 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PLC gamma 2 around the phosphorylation site of Tyr759
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Phospholipase C gamma 2 (PLCG2)
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Target Details

Alternative Name: PLC gamma 2 ([PLCG2 Products](#))

Background: Synonyms: PLC 2, PLC gamma 2, PLC IV, PLCG2, 1 phosphatidylinositol 4 5 bisphosphate phosphodiesterase gamma 2, EC 3.1.4.11, Phosphoinositide phospholipase C, Phospholipase C gamma 2, Phospholipase C, gamma 2 phosphatidylinositol specic, PLCG2_HUMAN.

Background: The protein encoded by this gene is a transmembrane signaling enzyme that catalyzes the conversion of 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate to 1D-myo-inositol 1,4,5-trisphosphate (IP3) and diacylglycerol (DAG), using calcium as a cofactor. IP3 and DAG are second messenger molecules important for transmitting signals from growth factor receptors and immune system receptors across the cell membrane. [provided by RefSeq, Sep 2011].

Gene ID: 5336

Pathways: [RTK Signaling](#), [WNT Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Inositol Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Toll-Like Receptors Cascades](#), [VEGF Signaling](#), [BCR Signaling](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
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: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Diaz-Flores, Goldschmidt, Depeille, Ng, Akutagawa, Krisman, Crone, Burgess, Williams, Houseman, Shokat, Sampath, Bollag, Roose, Braun, Shannon: "PLC-? and PI3K link cytokines to ERK activation in hematopoietic cells with normal and oncogenic Kras." in: **Science signaling**, Vol. 6, Issue 304, pp. ra105, (2013) ([PubMed](#)).