

Datasheet for ABIN744842

anti-Phospholipase C gamma 2 antibody (pTyr1217) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Phospholipase C gamma 2 (PLCG2)
Binding Specificity:	pTyr1217
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholipase C gamma 2 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PLC gamma 2 around the phosphorylation site of Tyr1217
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	Phospholipase C gamma 2 (PLCG2)
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Target Details

Alternative Name:	PLCG2 (PLCG2 Products)
Background:	Synonyms: PLCG2phospho Y1217, PLC _2Tyr1217, PLC gamma 2/PLCG2Tyr1217, 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: Enzymes of the phospholipase C family catalyze the hydrolysis of phospholipids to yield diacylglycerols and water soluble phosphorylated derivatives of the lipid head groups. A number of these enzymes have specificity for phosphoinositides. Of the phosphoinositide specific phospholipase C enzymes, C beta is regulated by heterotrimeric G protein coupled receptors, while the closely related C gamma 1 and C gamma 2 enzymes are controlled by receptor tyrosine kinases. The C gamma 1 and C gamma 2 enzymes are composed of phospholipase domains that flank regions of homology to noncatalytic domains of the SRC oncogene product, SH2 and SH3.
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 IHC-P 1:200-400 IHC-F 1:100-500
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.

Handling

Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months