

PLCgamma1(Phospho-Tyr783) Antibody

Catalog No: #11103

Package Size: #11103-1 50ul #11103-2 100ul

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Description

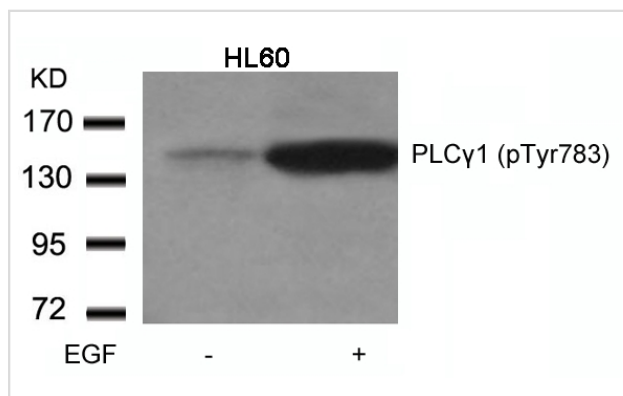
Product Name	PLCgamma1(Phospho-Tyr783) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of PLCγ1 only when phosphorylated at tyrosine 783.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 783 (G-F-Y(p)-V-E) derived from Human PLCG1.
Conjugates	Unconjugated
Target Name	PLCgamma1
Modification	Phospho
Other Names	Phosphoinositide phospholipase C; Phospholipase C-gamma-1;
Accession No.	Swiss-Prot: P19174NCBI Protein: NP_002651.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 155kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HL60 cells untreated or treated with EGF using PLCγ1(Phospho-Tyr783) Antibody #11103.

Background

PLC-gamma is a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase.

DeBell KE, et al. Mol Cell Biol. 1999 Nov; 19(11): 7388-7398.

Ver

Published Papers

el at., Signal regulatory protein δO negatively regulates mast cell activation following Fc ϵ RI aggregation. In Eur J Immunol on 2013 Jun by Yu-fei Pan, Li-wei Dong, et al..PMID: 23504624, , (2013)

[PMID:23504624](#)

el at., Discovery of a novel inhibitor of the protein tyrosine phosphatase Shp2.In Sci Rep on 2015 Dec 2 by Chuan Chen , Mengmeng Cao et al..PMID: 26626996 , , (2015)

[PMID:26626996](#)

el at., Antiproliferative Activity of Hinokitiol, a Tropolone Derivative, Is Mediated via the Inductions of p-JNK and p-PLC η 1-1 Signaling in PDGF-BB-Stimulated Vascular Smooth Muscle Cells.In Molecules on 2015 May 7 by Po-Sheng Yang, Meng-Jiy Wang et al..PMID: 25961161, , (2015)

[PMID:25961161](#)

el at., Synergistic effects of c-Jun and SP1 in the promotion of TGF ϵ α Y1-mediated diabetic nephropathy progression.In Exp Mol Pathol on 2016 Jun by Pan Gao, Yingze Wei et al..PMID:27112839, , (2016)

[PMID:27112839](#)

Cheng-Ying Hsieh, Chien-Liang Liu, Ming-Jen Hsu el at., Inhibition of vascular smooth muscle cell proliferation of vitamin E derivative pentamethylhydroxychromane in an in vitro and in vivo study: Pivotal role of hydroxyl radical-mediated PLC 1 and JAK2 phosphorylation., Free Radical Biology and Medicine, 49(5):881-893(2010)

[PMID:20600839](#)

el at., Inhibition of vascular smooth muscle cell proliferation by the vitamin E derivative pentamethylhydroxychromane in an in vitro and in vivo study: pivotal role of hydroxyl radical-mediated PLC 1 and JAK2 phosphorylation. In Free Radic Biol Med on 2010 Sep 1 by Chien-Liang Liu, Ming-Jen Hsu, et al..PMID: 20600839, , (2010)

[PMID:20600839](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.