Product Datasheet

PLCg2(Ab-753) Antibody

Catalog No: #21186

Package Size: #21186-1 50ul #21186-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PLCg2(Ab-753) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total PLCg2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 751~755 (S-L-Y-D-V) derived from Human PLCg2.
Target Name	PLCg2
Other Names	Phosphoinositide phospholipase C; Phospholipase C-gamma-2;
Accession No.	Swiss-Prot: P16885NCBI Protein: NP_002652.2
Uniprot	P16885
GeneID	5336;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.

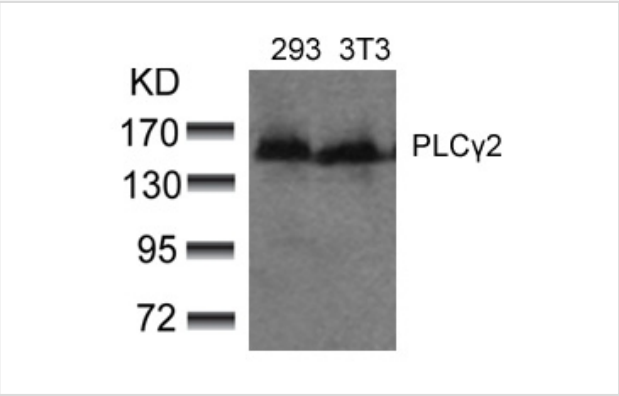
Application Details

Predicted MW: 150kd

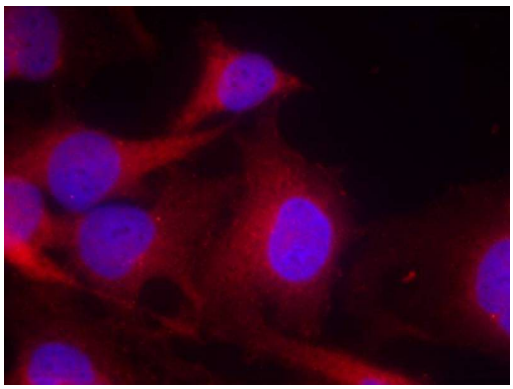
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from 293 and 3T3 cells using PLCg2(Ab-753) Antibody #21186.



Immunofluorescence staining of methanol-fixed Hela cells using PLCg2(Ab-753) Antibody #21186.

Background

The production of the second messenger molecules diacylglycerol. (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling.

Kim YJ, et al. (2004) Mol Cell Biol 24: 9986-9999

Humphries LA, et al. (2004) J Biol Chem 279 : 37651-37661

Suzuki-Inoue K, et al. (2004) Biochem J 378 : 1023-1029

Rodriguez R, et al. (2003) Biochem J 374 : 269-280

Note: This product is for in vitro research use only