ARG51671
anti-PLC gamma 2 phospho (Tyr753) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PLC gamma 2 phospho (Tyr753)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PLC gamma 2
Species	Human
Immunogen	Peptide sequence around phosphorylation site of tyrosine 753 (S-L-Y(p)-D-V) derived from Human PLCγ2.
Conjugation	Un-conjugated
Alternate Names	Phospholipase C-gamma-2; PLC-IV; Phosphoinositide phospholipase C-gamma-2; PLC-gamma-2; Phospholipase C-IV; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2; FCAS3; APLAID; EC 3.1.4.11

Application Instructions

Application table

Application	Dilution
ICC/IF	1:100 - 1:200
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

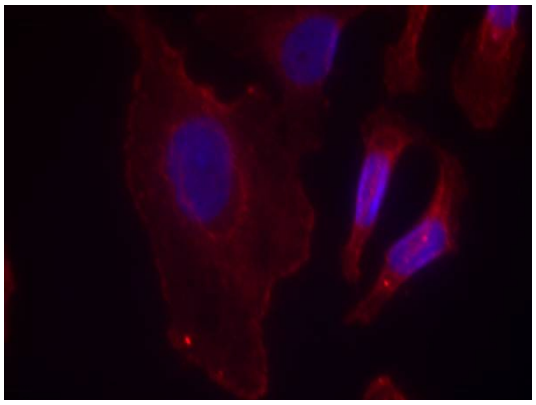
Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Buffer	PBS (without Mg2+ and Ca2+, pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

	cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

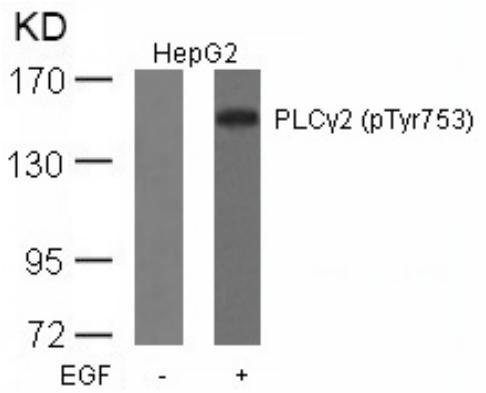
Gene Symbol	PLCG2
Gene Full Name	phospholipase C, gamma 2 (phosphatidylinositol-specific)
Background	The production of the second messenger molecules diacylglycerol. (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling.
Function	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. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	148 kDa
PTM	Phosphorylated on tyrosine residues by CSF1R (By similarity). Phosphorylated on tyrosine residues by BTK and SYK; upon ligand-induced activation of a variety of growth factor receptors and immune system receptors. Phosphorylation leads to increased phospholipase activity.

Images



ARG51671 anti-PLC gamma 2 phospho (Tyr753) antibody ICC/IF image

Immunofluorescence: Methanol-fixed HeLa cells stained with ARG51671 anti-PLC gamma 2 phospho (Tyr753) antibody.



ARG51671 anti-PLC gamma 2 phospho (Tyr753) antibody WB image

Western blot: Extracts from HepG2 cells untreated or treated with EGF stained with ARG51671 anti-PLC gamma 2 phospho (Tyr753) antibody.