Rabbit PLCG2 Polyclonal Antibody | anti-PLCG2 antibody

Phospho-PLCG2 (Tyr1197) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329884	**Rabbit**	**Human, Mouse, RatPredicted Reactivity: Pig (88%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (88%)**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

PLCG2; Polyclonal Antibody; Phospho-PLCG2 (Tyr1197) Antibody; 1 phosphatidylinositol 4 5 bisphosphate phosphodiesterase gamma 2; 1-phosphatidylinositol-4; 5-bisphosphate phosphodiesterase gamma-2; EC 3.1.4.11; Phosphoinositide phospholipase C; Phosphoinositide phospholipase C-gamma-2; Phospholipase C gamma 2; Phospholipase C; gamma 2 (phosphatidylinositol specific); Phospholipase C-gamma-2; Phospholipase C-IV; PLC 2; PLC gamma 2; PLC IV; PLC-gamma-2; PLC-IV; Plcg2; PLCG2_HUMAN; anti-PLCG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (88%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (88%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-PLCG2 (Tyr1197) Antibody detects endogenous levels of PLCG2 only when phosphorylated at Tyr1197.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PLCG2 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLCG2 around the phosphorylation site of Tyr1197.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	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.
Subunit Structure	Interacts (via SH2 domain) with CSF1R (tyrosine phosphorylated).
Subcellular Location	Cytoplasmic and Plasma membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IF (Immunofluorescence)
Staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Red), diluted at 1/600, was used as secondary antibody.

WB (Western Blot)
Western blot analysis of PLCG2 (Phospho-Tyr1197) using SW626 whole cell lysates.-/+ means absence or presence of N peptideï¼ˆnon-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-PLCG2 antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117320537
NCBI GeneID	5336
NCBI Accession #	NP_002652.2
NCBI GenBank Nucleotide #	NM_002661.3
UniProt Accession #	P16885; Q3ZTS2; Q59H45; Q969T5; D3DUL3
Molecular Weight	147,870 Da
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2
NCBI Official Synonym Full Names	phospholipase C, gamma 2 (phosphatidylinositol-specific)
NCBI Official Symbol	PLCG2
NCBI Official Synonym Symbols	FCAS3; APLAID
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2; PLC-IV; PLC-gamma-2; phospholipase C-IV; phosphoinositide phospholipase C-gamma-2
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2
UniProt Gene Name	**PLCG2**
UniProt Synonym Gene Names	PLC-IV; PLC-gamma-2
UniProt Entry Name	PLCG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/plcg2-antibody-peptide-elisa-immunocytochemistry-immunofluorescence-western-blot-elisa/329884