

Rabbit Phospholipase C gamma 1 Monoclonal Antibody | anti-PLCG1 antibody

Phospholipase C gamma 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312290	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunocytochemistry, Western Blot

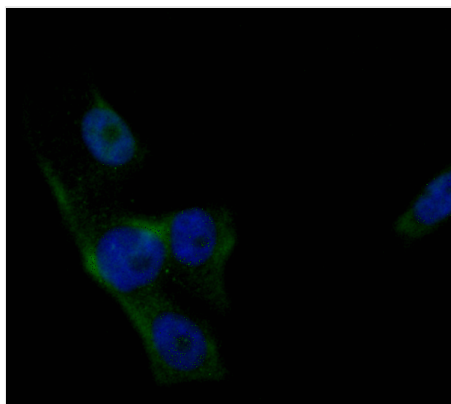
PRODUCT SYNONYMS

Phospholipase C gamma 1; Monoclonal Antibody; Phospholipase C gamma 1 Antibody; 1 phosphatidyl D myo inositol 4 5 bisphosphate antibody; 1 phosphatidylinositol 4 5 bisphosphate phosphodiesterase gamma 1 antibody; 1-phosphatidylinositol-4; 5-bisphosphate phosphodiesterase gamma-1 antibody; Inositoltrisphosphohydrolase antibody; Monophosphatidylinositol phosphodiesterase antibody; NCKAP3 antibody; Phosphatidylinositol phospholipase C antibody; Phosphoinositidase C antibody; Phosphoinositide phospholipase C antibody; Phosphoinositide phospholipase C-gamma-1 antibody; Phospholipase C 148 antibody; Phospholipase C gamma 1 antibody; Phospholipase C-gamma-1 antibody; Phospholipase C-II antibody; PLC gamma 1 antibody; PLC II antibody; PLC-148 antibody; PLC-gamma-1 antibody; PLC-II antibody; PLC1 antibody; PLC148 antibody; Plcg1 antibody; PLCG1_HUMAN antibody; PLCgamma1 antibody; anti-PLCG1 antibody

PRODUCT SPECIFICATIONS

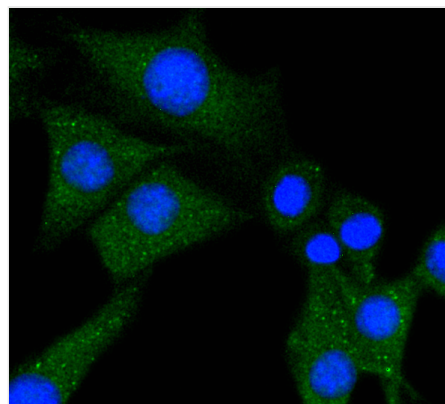
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SN06-10
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PLCG1 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



ICC (Immunocytochemistry)

ICC staining PLC gamma1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining PLC gamma1 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

ADDITIONAL INFORMATION

Related Product Information for anti-PLCG1 antibody	Phosphoinositide-specific phospholipase C (PLC) plays a crucial role in the initiation of receptor mediated signal transduction through the generation of the two second messengers, inositol 1, 4, 5-triphosphate and diacylglycerol from phosphatidylinositol 4, 5-bisphosphate. There are many mammalian PLC isozymes, including PLC beta 1, PLC beta 2, PLC beta 3, PLC beta 4, PLC gamma1, PLC gamma2, PLC delta 1, PLC delta 2 and PLCepsilon. PLC gamma1 is widely distributed in bronchiolar epithelium, type I and II pneumocytes and fibroblasts of the interstitial tissue. Actin-regulatory protein Villin is tyrosine phosphorylated and associates with PLC gamma1 in the brush border of intestinal epithelial cells. Villin regulates PLC gamma1 activity by modifying its own ability to bind phosphatidylinositol 4, 5-bisphosphate. PLC gamma1 binds Integrin alpha1/beta 1 and modulates Integrin alpha1/beta-specific adhesion. PLC gamma1 and Ca2+ play a direct role in VEGF-regulated endothelial growth, however this signaling pathway is not linked to FGF-mediated effects in primary endothelial cells. PLC gamma1 is rapidly activated in response to growth factor stimulation and plays an important role in regulating cell proliferation and differentiation. It may also have a protective function during cellular response to oxidative stress.
Product Categories/Family for anti-PLCG1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	33598948
NCBI GeneID	5335
NCBI Accession #	NP_002651.2
NCBI GenBank Nucleotide #	NM_002660.2
UniProt Accession #	P19174; Q2V575; B7ZLY7; B9EGH4; E1P5W4
Molecular Weight	148,532 Da
NCBI Official Full Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 isoform a
NCBI Official Synonym Full Names	phospholipase C, gamma 1
NCBI Official Symbol	PLCG1
NCBI Official Synonym Symbols	PLC1; NCKAP3; PLC-II; PLC148; PLCgamma1
NCBI Protein Information	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1; PLC-148; PLC-gamma-1; phospholipase C-II; phospholipase C-148; phosphoinositidase C; phospholipase C-gamma-1; inositoltrisphosphohydrolase; phosphoinositide phospholipase C; phosphatidylin
UniProt Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1
UniProt Gene Name	PLCG1
UniProt Synonym Gene Names	PLC1; PLC-II; PLC-gamma-1
UniProt Entry Name	PLCG1_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/monoclonal/phospholipase-c-gamma-1-antibody-clone-sn06-10-immunoprecipitation-immunocytochemistry-western-blot-elisa/312290>