
Product Name: Phospholipase C gamma 1 Rabbit Monoclonal antibody**Catalog #: AMRe03148**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,IP
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Concentration	0.22mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Application

Dilution Ratio	WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 149 kDa; Observed MW: 149 kDa

Antigen Information

Gene Name	PLCG1 PLCG1; PLC1; 1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase gamma-1; PLC-
Alternative Names	148; Phosphoinositide phospholipase C-gamma-1; Phospholipase C-II; PLC-II; Phospholipase C-gamma-1; PLC-gamma-1
Gene ID	5335
SwissProt ID	P19174
Immunogen	A synthetic peptide corresponding to target protein

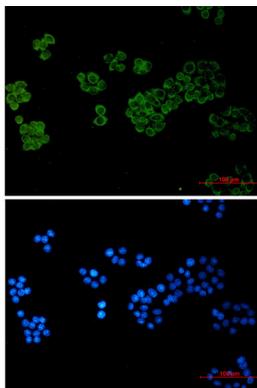
Background

The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras.

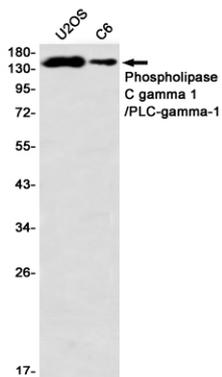
Research Area

Cardiovascular

Image Data



Immunocytochemistry analysis of Phospho-lipase C gamma 1 (green) in HeLa using Phospho-lipase C gamma 1 antibody, and DAPI (blue).



Western blot analysis of Phospho-lipase C gamma 1/PLCgamma1 in U2OS, C6 lysates using Phospho-lipase C gamma 1/PLCgamma1 antibody.