



PLC γ1 Polyclonal Antibody

treatment Tissue Specificity Brain,Epithelium,Testis,Vein, Catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1D-myo-inositol 1,4,5-trisphosphate + diacylglycerol.,cofactor:Calcium.,domain:The SH3 domain mediates interaction with CLNK (By similarity). The SH3 domain also mediates interaction with RALGPS1.,function:PLC-gamma is a major substrate for heparin-binding growt factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase.,PTM:The receptor-mediated activation of PLC-gamma-1 and PLC-gamma-2 involves the		
Reactivity Human;Mouse;Rat;Monkey Applications WB:IHC;IF;ELISA Gene Name PLCG1 Protein Name 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 Immunogen The antiserum was produced against synthesized peptide derived from human PLCG1. AA range:736-785 Specificity PLC y1 Polyclonal Antibody detects endogenous levels of PLC y1 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms PLCG1; PLC1; 1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase gamma-1; PLC-148; Phosphoinositide phospholipase C-gamma-1; PLC-gamma-1 Observed Band 150kD Cell Pathway Cell projection, lamellipodium . Cell projection, ruffle . Rapidly redistributed to ruffles and lamellipodia structures in response to epidermal growth factor (EGF treatment . Tissue Specificity Brain, Epithelium, Testis, Vein, catalytic activity: 1-phosphatidyl-1D-myo-inositol 4, 5-bisphosphate + H(2)O = 1D-myo-inositol 1, 4, 5-trisphosphate + diacyglycerol, .cofactor. Calcium, domain: The SH3 domain mediates interaction with CLNK (By similarity). The SH3 domain also mediates interaction with CLNK (By similarity). The SH3 domain also mediates interaction with CLNK (By similarity). The SH3 domain also mediates interaction with CLNK (By similarity). The SH3 domain also mediates interaction with CLNK (By similarity). The SH3 domain also mediates interaction with CLNK (By similarity). The SH3 domain also mediates interaction with CLNK (By similarity). The SH3 domain also mediates interaction with CLNA (By carried and an amore substate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-acivated tyrosine kinase, PTM: The receptor-mediated activation of PLC-gamma-1 and PLC-ga	Catalog No	BYab-02762
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Protein Name	Reactivity	Human;Mouse;Rat;Monkey
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Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658

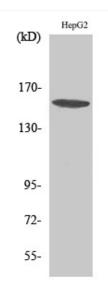


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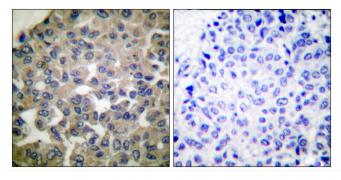


	factor receptors and immune system receptors.,PTM:Ubiquitinated by CBLB in activated T-cells.,similarity:Contains 1 C2 domain.,similarity:Contains 1 EF-hand domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 PI-PLC X-box domain.,similarity:Contains 1 SH3 domain.,simil
Background	The protein 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. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PLC $\,\gamma$ 1 Polyclonal Antibody diluted at 1:2000

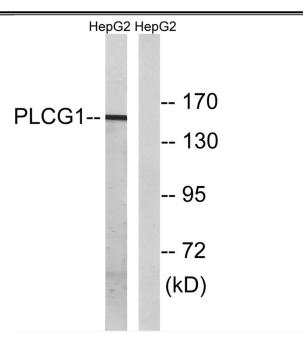


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PLCG1 Antibody. The picture on the right is blocked with the synthesized peptide.

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网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658





Western blot analysis of lysates from HepG2, using PLCG1 Antibody. The lane on the right is blocked with the synthesized peptide.