

🔇 Tel: 400-999-8863 📼 Email:Upingbio.163.com



## PLC γ2 (phospho Tyr753) Polyclonal Antibody

Catalog No	YP-Ab-02406
Isotype	lgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	PLCG2
Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2
Immunogen	The antiserum was produced against synthesized peptide derived from human PLCG2 around the phosphorylation site of Tyr753. AA range:721-770
Specificity	Phospho-PLC $\gamma$ 2 (Y753) Polyclonal Antibody detects endogenous levels of PLC 2 protein only when phosphorylated at Y753.
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: 1/5000 IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms Observed Band	PLCG2; 1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase gamma-2; Phosphoinositide phospholipase C-gamma-2; Phospholipase C-IV; PLC-IV; Phospholipase C-gamma-2; PLC-gamma-2 148kD
Cell Pathway	intracellular,cytosol,plasma membrane,extracellular exosome,
Tissue Specificity	Lymph,Lymphoblast,Spleen,T-cell,
Function	catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1D-myo-inositol 1,4,5-trisphosphate + diacylglycerol.,cofactor:Calcium.,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.,PTM:Phosphorylated on tyrosine residues; upon ligand-induced activation of a variety of growth factor receptors and immune system receptors. Increases phospholipase activity.,similarity:Contains 1 C2 domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 PI-PLC X-box domain.,similarity:Contains 2 SH2 domains.,

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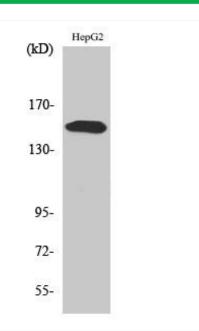
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BackgroundThe protein encoded by this gene is a transmembrane signaling enzyme that<br/>catalyzes the conversion of 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate to<br/>1D-myo-inositol 1,4,5-trisphosphate (IP3) and diacylglycerol (DAG) using calcium<br/>as a cofactor. IP3 and DAG are second messenger molecules important for<br/>transmitting signals from growth factor receptors and immune system receptors<br/>across the cell membrane. Mutations in this gene have been found in<br/>autoinflammation, antibody deficiency, and immune dysregulation syndrome and<br/>familial cold autoinflammatory syndrome 3. [provided by RefSeq, Mar 2014],matters needing<br/>attentionAvoid repeated freezing and thawing!Usage suggestionsThis product can be used in immunological reaction related experiments. For<br/>more information, please consult technical personnel.

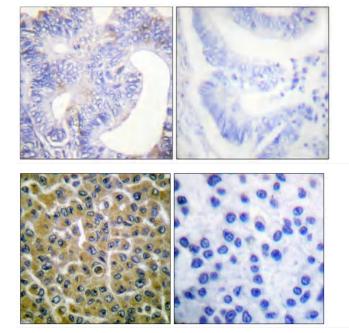
## **Products Images**

overnight).



Western Blot analysis of various cells using Phospho-PLC y2 (Y753) Polyclonal Antibody

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Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Immunohistochemical analysis of paraffin-embedded Human colon cancer. Antibody was diluted at 1:100(4°

Tris-EDTÁ,pH8.0 was used for antigen retrieval.

High-pressure and temperature

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using PLCG2 (Phospho-Tyr753) Antibody. The picture on the right is blocked with the phospho peptide.



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