



## Rabbit Anti-Phospho-PLCG 2 (Tyr759) antibody

SL3339R

<b>Product Name:</b>	Phospho-PLCG 2 (Tyr759)
<b>Chinese Name:</b>	磷酸化磷脂酶C $\gamma$ 2抗体
<b>Alias:</b>	PLCG 2 (phospho Y759); PLCG 2 (phospho Tyr759); ; PLC 2; PLC gamma 2; PLC IV; PLCG2; 1 phosphatidylinositol 4 5 biphosphate phosphodiesterase gamma 2; EC 3.1.4.11; Phosphoinositide phospholipase C; Phospholipase C gamma 2; Phospholipase C, gamma 2 (phosphatidylinositol specific); PLCG2_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	147kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membraneExtracellular matrix
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human PLC gamma 2 around the phosphorylation site of Tyr759:RM(p-Y)VD
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The protein encoded by this gene is a transmembrane signaling enzyme that catalyzes the conversion of 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate to 1D-myo-inositol

1,4,5-trisphosphate (IP3) and diacylglycerol (DAG), using calcium as a cofactor. IP3 and DAG are second messenger molecules important for transmitting signals from growth factor receptors and immune system receptors across the cell membrane. [provided by RefSeq, Sep 2011].

**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.

**Post-translational modifications:**

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.

**Similarity:**

Contains 1 C2 domain.

Contains 1 PH domain.

Contains 1 PI-PLC X-box domain.

Contains 1 PI-PLC Y-box domain.

Contains 2 SH2 domains.

Contains 1 SH3 domain.

**SWISS:**

P16885

**Gene ID:**

5336

**Database links:**

[Entrez Gene: 5336](#) Human

[Entrez Gene: 234779](#) Mouse

[Entrez Gene: 29337](#) Rat

[Omim: 600220](#) Human

[SwissProt: P16885](#) Human

[SwissProt: Q8CIH5](#) Mouse

[SwissProt: P24135](#) Rat

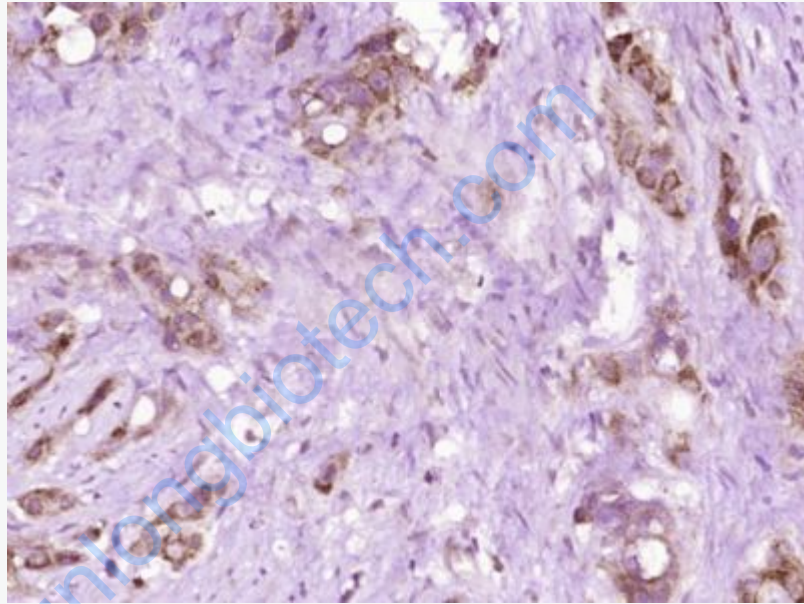
[Unigene: 413111](#) Human

[Unigene: 192699](#) Mouse

[Unigene: 9751](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (Human stomach carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-PLCG 2 (Tyr759)) Polyclonal Antibody, Unconjugated (SL3339R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.