Anti-Phospho-PLCG1 (Ser1248) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108427

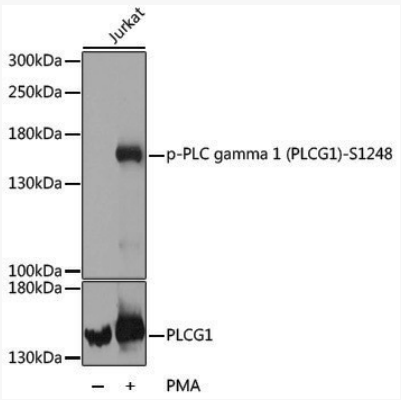
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2000; IHC-P 1:10~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S1248 of human PLC gamma 1 (PLCG1) (NP_002651.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-PLCG1 (Ser1248) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

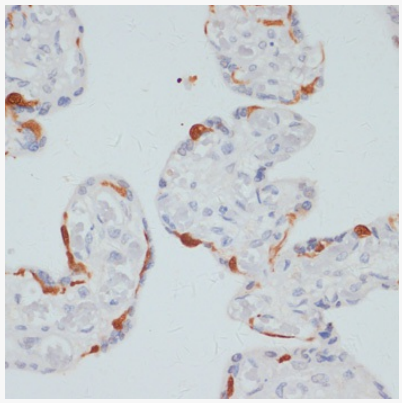
Protein Information

Synonyms	PLC1; NCKAP3; PLC-II; PLC148; PLCgamma1; Phospho-PLC gamma 1 (PLCG1)-S1248.
Calculated MW	Calculated MW: 149 kDa; Observed MW: 149 kDa
Uniprot ID	P19174
Gene ID	5335
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.

Validation Images



Western blot analysis of lysates from Jurkat cells, using Phospho-PLC gamma 1 (PLCG1)-S1248 Rabbit pAb (P108427) at dilution or PLC gamma 1 (PLCG1) antibody (P102711). Jurkat cells were treated by PMA/TPA (200 nM) at 37°C for 10 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Kit.
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human placenta using Phospho-PLC gamma 1 (PLCG1)-S1248 Rabbit pAb (P108427) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.