

Product datasheet for **TA380019**

Phospholipase C gamma 1 (PLCG1) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB,1:500 - 1:2000 IHC,1:10 - 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Modifications: | Phospho S1248 |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | A synthetic phosphorylated peptide around S1248 of human PLC gamma 1 (PLCG1) (NP_002651.2). |
| Formulation: | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 148kDa |
| Gene Name: | phospholipase C gamma 1 |
| Database Link: | Entrez Gene 5335 Human P19174 |



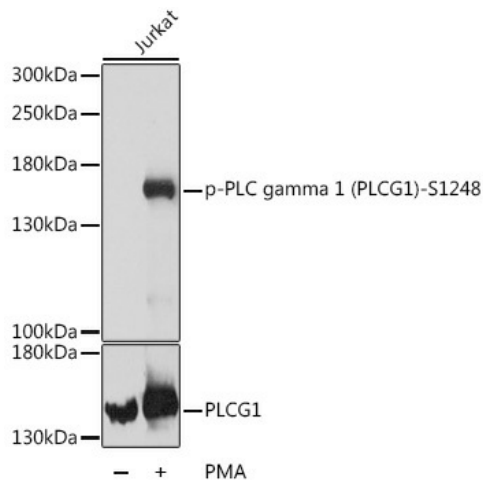
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Background:

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.

Synonyms:

1-phosphatidyl-D-myo-inositol-4,5-bisphosphate; inositoltrisphosphohydrolase; NCKAP3; OTTHUMP00000178982; PLC-148; PLC-gamma-1; PLC-II; PLC1; PLC148; PLCgamma1

Product images:

Western blot analysis of extracts of Jurkat cells, using Phospho-PLC gamma 1 (PLCG1)-S1248 antibody (TA380019) at dilution or PLC gamma 1 (PLCG1) antibody (A15704). Jurkat cells were treated by PMA/TPA (200 nM) at 37°C for 10 minutes. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% BSA. |Detection: ECL Basic Kit . |Exposure time: 90s.