

## Product datasheet for **TA327800**

### Phospholipase C gamma 1 (PLCG1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:2000; IHC: 1:50-1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against A synthesized peptide derived from human PLCG1 around the phosphorylation site of Tyrosine 783
Formulation:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration:	lot specific
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	155 kDa
Gene Name:	phospholipase C gamma 1
Database Link:	<a href="#">NP_002651</a> <a href="#">Entrez Gene 18803 Mouse</a> <a href="#">Entrez Gene 25738 Rat</a> <a href="#">Entrez Gene 5335 Human</a> <a href="#">P19174</a>
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
Synonyms:	NCKAP3; PLC-II; PLC1; PLC148; PLCgamma1

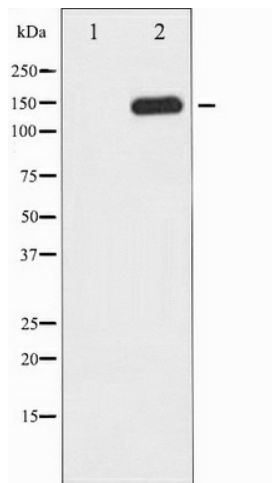


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**Protein Families:** Druggable Genome

**Protein Pathways:** Calcium signaling pathway, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Glioma, Inositol phosphate metabolism, Leukocyte transendothelial migration, Metabolic pathways, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pathways in cancer, Phosphatidylinositol signaling system, T cell receptor signaling pathway, VEGF signaling pathway, Vibrio cholerae infection

**Product images:**



Western blot analysis of PLCG1 phosphorylation expression in EGF treated COS7 whole cell lysates. The lane on the left is treated with the antigen-specific peptide.