

PLCG1 Antibody (aa751-800)
Rabbit Polyclonal Antibody
Catalog # ALS14715**Specification**

PLCG1 Antibody (aa751-800) - Product Information

Application	WB
Primary Accession	P19174
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	149kDa KDa

PLCG1 Antibody (aa751-800) - Additional Information**Gene ID** 5335**Other Names**

1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase gamma-1, 3.1.4.11, PLC-148, Phosphoinositide phospholipase C-gamma-1, Phospholipase C-II, PLC-II, Phospholipase C-gamma-1, PLC-gamma-1, PLCG1, PLC1

Target/Specificity

PLCG1 antibody detects endogenous levels of total PLCG1 protein

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

PLCG1 Antibody (aa751-800) is for research use only and not for use in diagnostic or therapeutic procedures.

PLCG1 Antibody (aa751-800) - Protein Information**Name** PLCG1 ([HGNC:9065](#))**Synonyms** PLC1**Function**

Mediates the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). Plays an important role in the regulation of intracellular signaling cascades. Becomes activated in response to ligand-mediated activation of receptor-type tyrosine kinases, such as PDGFRA, PDGFRB, EGFR, FGFR1, FGFR2, FGFR3 and FGFR4 (By similarity). Plays a role in actin reorganization and cell migration (PubMed:[17229814](http://www.uniprot.org/citations/17229814)). Guanine nucleotide exchange factor that binds the GTPase DNM1 and catalyzes the dissociation of GDP, allowing a GTP molecule to bind in its place, therefore enhancing DNM1-dependent endocytosis (By similarity).

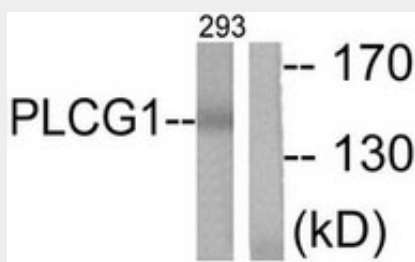
Cellular Location

Cell projection, lamellipodium. Cell projection, ruffle. Note=Rapidly redistributed to ruffles and lamellipodia structures in response to epidermal growth factor (EGF) treatment.

PLCG1 Antibody (aa751-800) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PLCG1 Antibody (aa751-800) - Images

Western blot of extracts from 293 cells, treated with EGF 200 ng/ml 30', using PLCG1 antibody.

PLCG1 Antibody (aa751-800) - Background

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PLCG1 Antibody (aa751-800) - References

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Deloukas P., et al. Nature 414:865-871(2001).
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