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PLCG1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21509c

Specification

PLCG1 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P19174
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**148532**

PLCG1 Antibody (Center) - Additional Information

Gene ID 5335

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

Target/Specificity
This PLCG1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 456-488 amino acids from the Central region of human PLCG1.

Dilution
WB~~1:2000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PLCG1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PLCG1 Antibody (Center) - 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). 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).

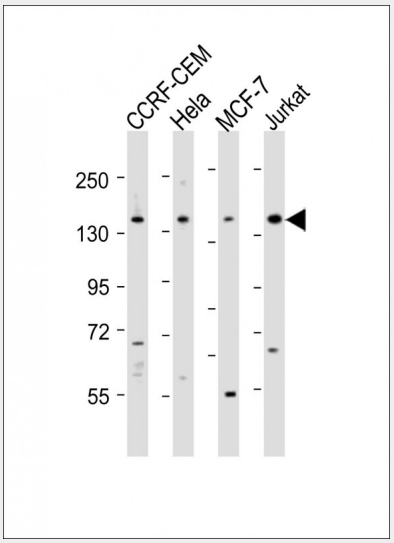
Cellular Location
Cell projection, lamellipodium. Cell projection, ruffle. Note=Rapidly redistributed to ruffles and lamellipodia structures in response to epidermal growth factor (EGF) treatment.

PLCG1 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PLCG1 Antibody (Center) - Images



All lanes : Anti-PLCG1 Antibody (Center) at 1:2000 dilution Lane 1: CCRF-CEM whole cell lysates Lane 2: Hela whole cell lysates Lane 3: MCF-7 whole cell lysates Lane 4: Jurkat whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 149 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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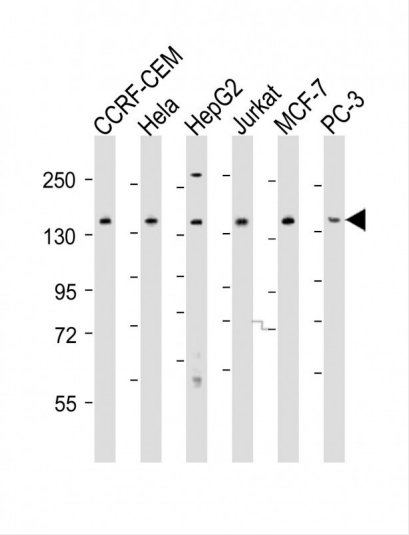

All lanes : Anti-PLCG1 Antibody (Center) at 1:2000 dilution Lane 1: CCRF-CEM whole cell lysates Lane 2: Hela whole cell lysates Lane 3: HepG2 whole cell lysates Lane 4: Jurkat whole cell lysates Lane 5: MCF-7 whole cell lysates Lane 6: PC-3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 149 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PLCG1 Antibody (Center) - Background

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, FGFR1, FGFR2, FGFR3 and FGFR4. Plays a role in actin reorganization and cell migration.

PLCG1 Antibody (Center) - References

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