

PLC y1 (phospho Tyr783) Polyclonal Antibody

Catalog # AP67166

Product Information

Application WB, IHC-P **Primary Accession** P19174

Reactivity Human, Mouse, Rat, Monkey

HostRabbitClonalityPolyclonalCalculated MW148532

Additional Information

Gene ID 5335

Other Names PLCG1; PLC1; 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

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

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

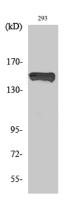
redistributed to ruffles and lamellipodia structures in response to epidermal

growth factor (EGF) treatment.

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.

Images



Western Blot analysis of various cells using Phospho-PLC y1 (Y783) Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.