

Nur für Forschungszwecke

Phospho-PLCG1 (Ser1248) Polyklonaler Antikörper



Katalog-Nr.: 29676-1-AP

1 Publikationen

Allgemeine Informationen

Katalog-Nr.: 29676-1-AP	GenBank-Zugangsnummer: BC144136	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 300 µg/ml von Nanodrop;	GeneID (NCBI): 5335	Empfohlene Verdünnungen: WB 1:500-1:2000
Wirt: Kaninchen	Vollständiger Name: phospholipase C, gamma 1	
Isotyp: IgG	Beobachtete Masse: 145 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB: mit Calyculin A behandelte Jurkat-Zellen,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Human	
Zitierte Arten: Human	

Hintergrundinformationen

Phosphoinositide phospholipase C-gamma-1 (PLCG1) which belongs to the phosphoinositide-specific phospholipase C (PLC) family, is activated by many extracellular stimuli including hormones, neurotransmitters, and growth factors and modulates several cellular and physiological functions necessary for tumorigenesis such as cell survival, migration, invasion, and angiogenesis by generating inositol 1,4,5-triphosphate (IP3) and diacylglycerol (DAG) via hydrolysis of phosphatidylinositol 4,5-bisphosphate (PIP2) (PMID: 9242915). Phosphorylation is one of the key mechanisms that regulate the activity of PLC. PLCγ is activated by both receptor and non-receptor tyrosine kinases (PMID: 2472218). PLCγ forms a complex with EGF and PDGF receptors, which leads to the phosphorylation of PLCγ at Tyr771, 783, and 1248 (PMID: 1708307). It has also been shown that PKA-mediated phosphorylation at Ser1248 is inhibitory to PLCγ 1 tyrosine phosphorylation and phospholipase activity in CD3-treated Jurkat cells (PMID: 1370476), suggesting that Ser1248 may be an allosteric regulator of PLCγ 1 activity.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yao-Qi Zhou	37012514	Cell Oncol (Dordr)	WB

Lagerung

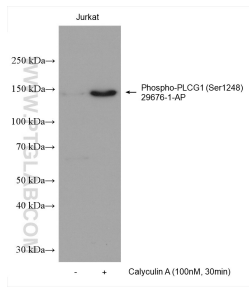
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



Non-treated and Calyculin A treated Jurkat cells were subjected to SDS PAGE followed by western blot with 29676-1-AP (Phospho-PLCG1 (Ser1248) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.