For Research Use Only

Phospho-PLCG2 (Tyr1217) Polyclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:29568-1-AP

Basic Information

Catalog Number:
29568-1-AP

Size:
600 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC007565

GeneID (NCBI):
5336

UNIPROT ID:
P16885

Full Name:
phospholipase C, gamma 2 (phosphatidylinositol-specific)

Calculated MW:
148 kDa

Observed MW:
148-150 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

Positive Controls:

WB : pervanadate treated Raji cells,

Background Information

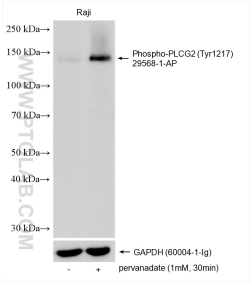
Phospholipase C gamma 2 (PLCG2) belongs to the family of phospholipase C-gamma, which is the downstream molecule of the CSF1R. Previous studies have demonstrated that PLCG2 was required for CSF1-induced differentiation of monocytes, microglia, immune, inflammatory responses. PLCG2 phosphorylation leads to an increase in production of the cellular signaling molecules, diacylglycerol (DAG), and inositol 1,4,5 trisphosphate (IP3), which further promotes a wide range of downstream signals, including the phosphorylation of protein kinase C (PKC) family members, such as PKC epsilon (PKC ε). (PMID: 32522286)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Non-treated Raji cells and pervanadate treated Raji cells were subjected to SDS PAGE followed by western blot with 29568-1-AP (Phospho-PLCG2 (Tyr1217) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as loading control.