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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-PLC-gamma phosphorylated [AbAb1-PLCy] Standard Size Ab04101-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: AbAb1-PLCy

Alternative Name(s) of Target: PLCG1; PLC1; PLC-gamma-1; PLC-γ; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1; PLC-148; Phosphoinositide phospholipase C-gamma-1; Phospholipase C-II; PLC-II; Phospholipase C-gamma-1

UniProt Accession Number of Target Protein: P19174

Published Application(s): IP, WB, ELISA

Published Species Reactivity: Human, Mouse

Immunogen: The original antibody was generated by immunizing rabbits with recombinant phosphorylated peptide pPLC-γ(RNPGF-pY-VEANPGGGSC) conjugated with KLH as an immunogen.

Specificity: This antibody binds phosphorylated phosphoinositide phospholipase C-gamma, which mediates the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). It also plays an important role in the regulation of intracellular signaling cascades.

Application Notes: The binding reactivity of this antibody to recombinant phosphorylated pPLC-γ peptide was confirmed using ELISA. The binding reactivity was further confirmed using western blot, of phosphorylated PLC-γ from NIH3T3 cell lysates. The scFv version of this antibody was used fused to human IgG1 using a suitable linker for the generation of scFv-Fc mini-antibody. This minibody was capable of immunoprecipitating pPLC-γ. The fluorescent scFv version of this antibody, when expressed intracellularly was reported to inhibit signal transduction by PLC-γ in transfected into NIH3T3 cells as observed using fluorescent microscopy (US20090233358).

Antibody First Published in: PMID:

Note on publication:

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.