

PLC γ 2 (Phospho Tyr1217) (PT1383R) PT™ Rabbit mAb

CatalogNo: YM9225 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB,IF,ELISA

MW

- 148kD (Calculated)
150kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

WB 1:500-1:2000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Basic Information

Clonality Monoclonal

Clone Number PT1383R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.

Specificity PLC γ2 (Phospho Tyr1217) Antibody detects endogenous levels of PLC γ2 protein only when phosphorylated at Y1217. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):FLyDT

Target Information

Gene name

PLCG2

Protein Name

1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2

Organism	Gene ID	UniProt ID
Human	5336 ;	P16885 ;
Mouse	234779 ;	Q8CIH5 ;
Rat	29337 ;	P24135 ;

Cellular Localization

intracellular ,cytosol ,plasma membrane ,extracellular exosome ,

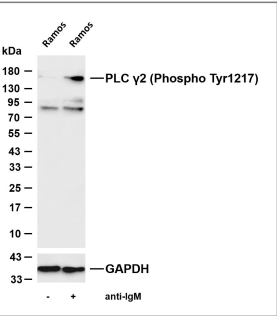
Tissue specificity

Lymph ,Lymphoblast ,Spleen ,T-cell ,

Function

Catalytic activity:1-phosphatidyl-1D-myo-inositol 4 ,5-bisphosphate + H (2) O = 1D-myo-inositol 1 ,4 ,5-trisphosphate + diacylglycerol. ,cofactor:Calcium. ,Function:The production of the second messenger molecules diacylglycerol (DAG) and inositol 1 ,4 ,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling. ,PTM:Phosphorylated on tyrosine residues; upon ligand-induced activation of a variety of growth factor receptors and immune system receptors. Increases phospholipase activity. ,similarity:Contains 1 C2 domain. ,similarity:Contains 1 PH domain. ,similarity:Contains 1 PI-PLC X-box domain. ,similarity:Contains 1 PI-PLC Y-box domain. ,similarity:Contains 1 SH3 domain. ,similarity:Contains 2 SH2 domains. ,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PLC γ2 (Phospho Tyr1217) (PT1383R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Ramos Lane 2: Ramos was treated with anti-IgM (12μg/ml) for 2 minutes Predicted band size: 148kDa Observed band size: 150kDa

| Contact information

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