PLC γ2 (Phospho Tyr753) Rabbit pAb

CatalogNo: YP0608 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 148kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:5000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human PLCG2 around the phosphorylation site of Tyr753. AA range:721-770

Specificity	Phospho-PLC γ2 (Y753) Polyclonal Antibody detects endogenous levels of PLC γ2 protein only when phosphorylated at Y753.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):SLyDV

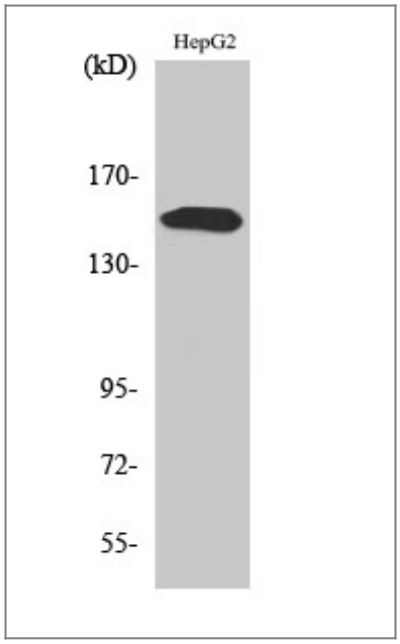
Target Information

Gene name	PLCG2
Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2

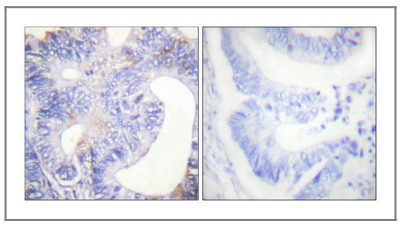
Organism	Gene ID	UniProt ID
Human	5336;	P16885;
Mouse	234779;	Q8CIH5;
Rat	29337;	P24135;

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. ,

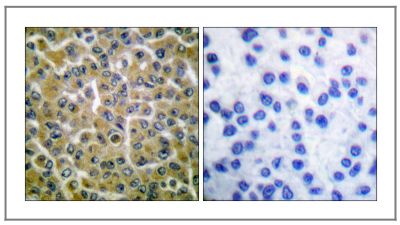
Validation Data



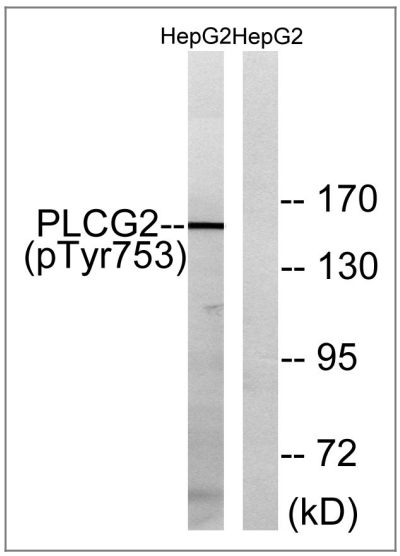
Western Blot analysis of various cells using Phospho-PLC γ2 (Y753) Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human colon cancer. Antibody was diluted at 1:100 (4℃ overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using PLCG2 (Phospho-Tyr753) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with Na3VO4 0.3mM 40', using PLCG2 (Phospho-Tyr753) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
PLC γ2 (Phospho Tyr753) Rabbit pAb

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