

PLCG1 monoclonal antibody

Catalog: MB22020

Host: Mouse

Reactivity: Human,Rat,Monkey

BackGround:

The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

148.5kDa

Swiss-Prot:

P19174

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000
FC:1/200 - 1/400

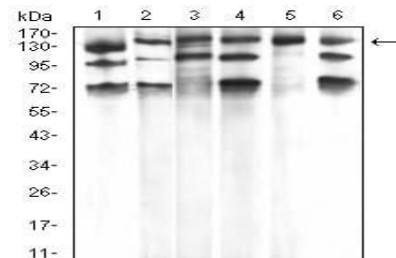
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

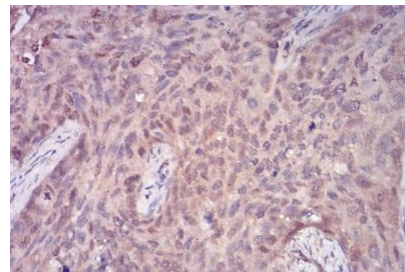
Isotype:

Mouse IgG1

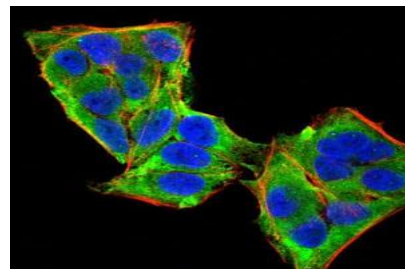
DATA:



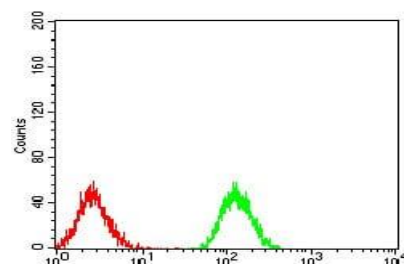
Western blot analysis using PLCG1 mouse mAb against HeLa (1), A431 (2), C6 (3), NIH/3T3 (4), COS7 (5), and HCT116 (6) cell lysate.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using PLCG1 mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using PLCG1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



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PRODUCT DATA SHEET

Bioworld Technology, Inc.

Flow cytometric analysis of Jurkat cells using PLCG1 mouse mAb
(green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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