

PLC β2 rabbit pAb

Cat No.: ES6603

For research use only

Overview

Product Name PLC β2 rabbit pAb

Host species Rabbit
Applications WB;IHC

Species Cross-Reactivity Human; Mouse; Rat

Recommended dilutions WB 1:500-2000;IHC-p 1:50-300

Immunogen Synthesized peptide derived from the Internal

region of human PLC β2.

Specificity PLC β2 Polyclonal Antibody detects endogenous

levels of PLC β2 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name 1-phosphatidylinositol 4,5-bisphosphate

phosphodiesterase beta-2

Gene Name PLCB2

Cellular localization intracellular, cytosol,

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 150kD
Human Gene ID 5330
Human Swiss-Prot Number Q00722

Alternative Names PLCB2; 1-phosphatidylinositol 4; 5-bisphosphate

phosphodiesterase beta-2; Phosphoinositide phospholipase C-beta-2; Phospholipase C-beta-2;

PLC-beta-2

Background catalytic activity:1-phosphatidyl-1D-myo-inositol

4,5-bisphosphate + H(2)O = 1D-myo-inositol

1,4,5-trisphosphate + diacylglycerol.,cofactor:Binds 1 calcium ion per subunit.,function:The production of the second messenger molecules diacylglycerol

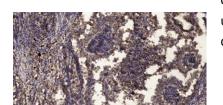


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(DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes.,miscellaneous:The receptor-mediated activation of PLC-beta-2 is most effectively mediated by one G-protein alpha subunit, alpha-16.,similarity:Contains 1 C2 domain.,similarity:Contains 1 PI-PLC X-box domain.,similarity:Contains 1 PI-PLC Y-box domain.,subunit:Interacts with RAC1.,



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Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

