



PLC β 2 Monoclonal Antibody

Catalog No	YP-mAb-02760
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PLCB2
Protein Name	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2
Immunogen	Synthesized peptide derived from the Internal region of human PLC β 2.
Specificity	PLC β 2 Monoclonal Antibody detects endogenous levels of PLC β 2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	PLCB2; 1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase beta-2; Phosphoinositide phospholipase C-beta-2; Phospholipase C-beta-2; PLC-beta-2
Observed Band	150kD
Cell Pathway	intracellular,cytosol,
Tissue Specificity	Placenta,Spleen,Thymus,
Function	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 (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.,
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 (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C



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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images