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Anti-Phospholipase C β2 (PLC-β2) Antibody

Our Anti-Phospholipase C β2 (PLC-β2) rabbit polyclonal primary antibody from PhosphoSolutions is pro
Catalog # AN1518

Product Information

Application	IHC
Primary Accession	Q00722
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	134024

Additional Information

Gene ID	5330
Other Names	1-phosphatidylinositol-4 antibody, 1-phosphatidylinositol-4 5-bisphosphate phosphodiesterase beta-2 antibody, 5-bisphosphate phosphodiesterase beta-2 antibody, FLJ38135 antibody, Phosphoinositide phospholipase C-beta-2 antibody, Phospholipase C-beta-2 antibody, PLC-beta-2 antibody, Plcb2 antibody, PLCB2_HUMAN antibody
Target/Specificity	Phospholipases are quite common enzymes that are present in a broad range of organisms, including bacteria, yeast, plants, animals, and viruses. Phospholipase C (PLC) constitutes a class of enzymes that cleave phospholipids on the diacylglycerol (DAG) side of the phosphodiester bond (Cocco et al., 2015). A growing body of evidence supports the role of phospholipase C (PLC) in the invasion and metastasis of different tumors, including breast cancer (Bertagnolo et al., 2006). PLC-β2 has been shown to be required for sweet, umami and bitter taste perception in mammals (Zhang et al., 2003). Data also suggests that PLC-β2 serves an unappreciated role assembling components of the p38MAPK signaling module (Barr et al., 2002).
Dilution	IHC~~1:100~500
Format	Antigen Affinity Purified from Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Phospholipase C β2 (PLC-β2) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Phospholipases are quite common enzymes that are present in a broad range of organisms, including bacteria, yeast, plants, animals, and viruses. Phospholipase C (PLC) constitutes a class of enzymes that cleave phospholipids on the diacylglycerol (DAG) side of the phosphodiester bond (Cocco et al., 2015). A growing body of evidence supports the role of phospholipase C (PLC) in the invasion and metastasis of different tumors, including breast cancer (Bertagnolo et al., 2006). PLC-β2 has been shown to be required for sweet, umami and bitter taste perception in mammals (Zhang et al., 2003). Data also suggests that PLC-β2 serves an unappreciated role assembling components of the p38MAPK signaling module (Barr et al., 2002).