PIP_2 monoclonal antibody (KT10)

Metabolism of inositol phospholipids by intracellular signaling mediators is fundamental to signal transduction in eukaryotic cells. PI-4,5-P2 (PIP2) can be synthesized by phosphorylation of PI-4-P by type I phosphatidylinositol phosphate kinase (PIP5K I), or phosphorylation of PI-5-P by type II PIPK (PIP4K II). PI-4,5-P2 regulation of cellular calcium levels involves its hydrolysis by Phospholipase C (PLC) to produce inositol 1,4,5-triphosphate (IP3) and diacylglycerol (DAG), which serve as second messengers in the import of calcium via IP3-sensitive ion channels and in the activation of PKC, respectively.

This antibody is covered by our Worry-Free Guarantee.

Citations: 3 View Online »

Manuals, SDS & CofA View Online »

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name	Phosphatidylinositol 4,5-bisphosphate, PtdIns(4,5)P2
Application	ELISA, ICC
Clone	KT10
Formulation	Liquid. Ascites.
Host	Mouse
Immunogen	Native PIP2 from bovine spinal cord.
Isotype	IgG2b
Source	Purified from mouse ascites.
Species Reactivity	Species independent
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

Last modified: May 29, 2024

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