

PPP2CA/B (7Z19) Rabbit Monoclonal Antibody

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Catalog # AP93756

Product Information

Application	WB, IHC-P, IP, IF
Primary Accession	P62714 , P67775
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Calculated MW	35575

Additional Information

Gene ID	5516
Dilution	WB~~1:1000 IHC-P~~N/A IP~~N/A IF~~1:50~200
Storage Conditions	-20°C

Protein Information

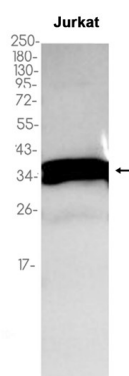
Name	PPP2CB (HGNC:9300)
Function	Catalytic subunit of protein phosphatase 2A (PP2A), a serine/threonine phosphatase involved in the regulation of a wide variety of enzymes, signal transduction pathways, and cellular events (Probable). PP2A can modulate the activity of phosphorylase B kinase, casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase. Part of the striatin-interacting phosphatase and kinase (STRIPAK) complexes. STRIPAK complexes have critical roles in protein (de)phosphorylation and are regulators of multiple signaling pathways including Hippo, MAPK, nuclear receptor and cytoskeleton remodeling. Different types of STRIPAK complexes are involved in a variety of biological processes such as cell growth, differentiation, apoptosis, metabolism and immune regulation (PubMed: 18782753).
Cellular Location	Cytoplasm. Nucleus. Chromosome, centromere. Cytoplasm, cytoskeleton, spindle pole. Note=In prometaphase cells, but not in anaphase cells, localizes at centromeres. During mitosis, also found at spindle poles

Background

This gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. This gene encodes an alpha isoform of the

catalytic subunit. [provided by RefSeq, Jul 2008]

Images



Western blot analysis of extracts from Jurkat cells using AP93756 at 1:1000.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.