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PPP2CB Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13765b

Product Information

Application	WB, IHC-P, E
Primary Accession	P62714
Other Accession	P23696, P62716, P11611, P11493, P62715, Q0P594, P63331, P67777, P67776, P63330, P67775, P48463, P67774, NP_001009552.1
Reactivity	Human
Predicted	Bovine, Chicken, Mouse, Pig, Rabbit, Rat, Drosophila
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33838
Calculated MW	35575
Antigen Region	278-307

Additional Information

Gene ID	5516
Other Names	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform, PP2A-beta, PPP2CB
Target/Specificity	This PPP2CB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 278-307 amino acids from the C-terminal region of human PPP2CB.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PPP2CB Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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).

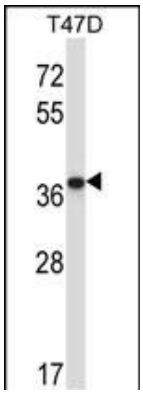
Cellular Location

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

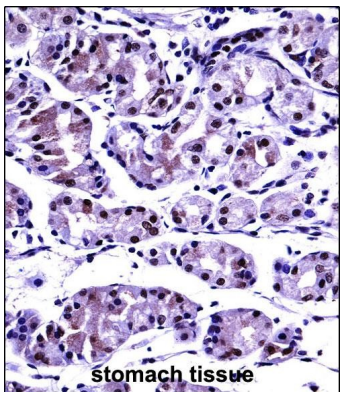
Background

PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated S6 kinase, and MAP-2 kinase.

Images



PPP2CB Antibody (C-term) (Cat. #AP13765b) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the PPP2CB antibody detected the PPP2CB protein (arrow).



PPP2CB Antibody (C-term) (AP13765b)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PPP2CB Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.