ELK Biotechnology

PP2A-B55-β rabbit pAb

Cat No.:ES6715

For research use only

Overview

Product Name	PP2A-B55-β rabbit pAb
Host species	Rabbit
Applications	WB;IHC
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300
Immunogen	Synthesized peptide derived from PP2A-B55-β . at AA range: 90-170
Specificity	PP2A-B55-β Polyclonal Antibody detects endogenous levels of PP2A-B55-β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform
Gene Name	PPP2R2B
Cellular localization	[Isoform 1]: Cytoplasm . Cytoplasm, cytoskeleton . Membrane .; [Isoform 2]: Cytoplasm . Mitochondrion . Mitochondrion outer membrane . Under basal conditions, localizes to both cytosolic and mitochondrial compartments. Relocalizes from the cytosolic to th
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	51kD
Human Gene ID	5521
Human Swiss-Prot Number	Q00005
Alternative Names	PPP2R2B; Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform; PP2A subunit B isoform B55-beta; PP2A subunit B isoform PR55-beta; PP2A subunit B isoform R2-beta; PP2A

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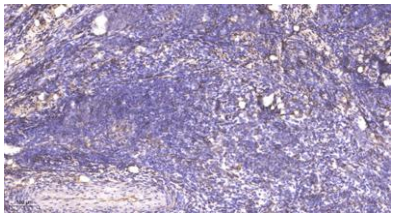
Background

subunit B isoform beta
protein phosphatase 2 regulatory subunit Bbeta(PPP2R2B) Homo sapiens The product of this gene belongs to the phosphatase 2 regulatory subunit B family. Protein phosphatase 2 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. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a beta isoform of the regulatory subunit B55 subfamily. Defects in this gene cause autosomal dominant spinocerebellar ataxia 12 (SCA12), a disease caused by degeneration of the cerebellum, sometimes involving the brainstem and spinal cord, and in resulting in poor coordination of speech and body movements. Multiple alternatively spliced variants, which encode different isofor



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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