



PP2A-A β Polyclonal Antibody

Catalog No	YP-Ab-14947
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	PPP2R1B
Protein Name	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform
Immunogen	The antiserum was produced against synthesized peptide derived from human PPP2R1B. AA range:552-601
Specificity	PP2A-A β Polyclonal Antibody detects endogenous levels of PP2A-A β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000.IHC-p:1:50-300 ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	PPP2R1B; Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform; PP2A subunit A isoform PR65-beta; PP2A subunit A isoform R1-beta
Observed Band	66kD
Cell Pathway	membrane raft,extracellular exosome,
Tissue Specificity	Testis,
Function	disease:Defects in PPP2R1B might be a cause of some lung and colorectal cancers.,domain:Each HEAT repeat appears to consist of two alpha helices joined by a hydrophilic region, the intrarepeat loop. The repeat units may be arranged laterally to form a rod-like structure.,function:The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit.,sequence caution:Contaminating sequence. Sequence of unknown origin in the N-terminal part.,similarity:Belongs to the phosphatase 2A regulatory subunit A family.,similarity:Contains 15 HEAT repeats.,subunit:PP2A consists of a common heterodimeric core enzyme, composed of a 36 kDa catalytic subunit (subunit C) and a 65 kDa constant regulatory subunit (PR65 or subunit A), that associates with a variety of regulatory subunits. Proteins that associate wi



Background

This gene encodes a constant regulatory subunit of protein phosphatase 2. 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 constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes a beta isoform of the constant regulatory subunit A. Mutations in this gene have been associated with some lung and colon cancers. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010],

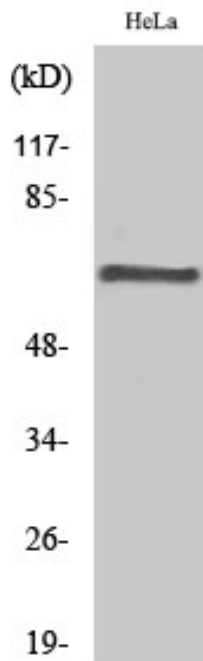
matters needing attention

Avoid repeated freezing and thawing!

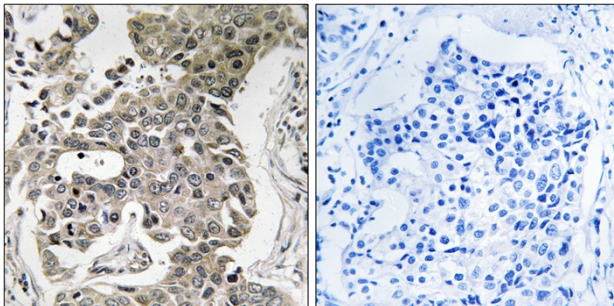
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

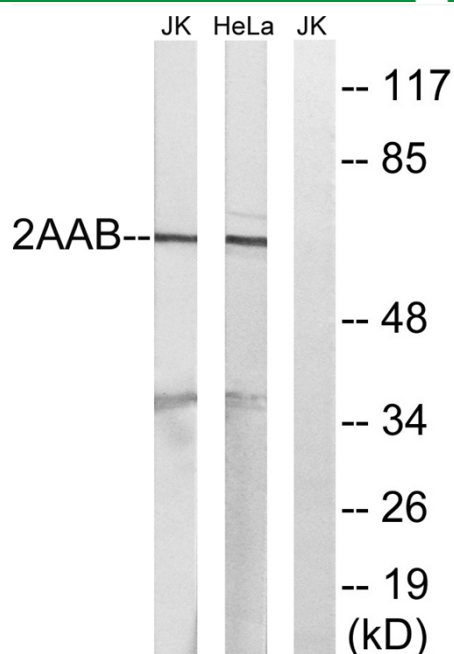
Products Images



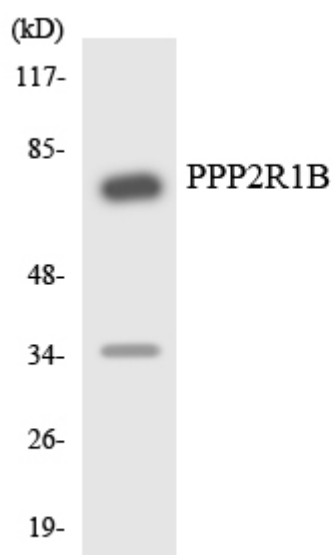
Western Blot analysis of various cells using PP2A-A β Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PPP2R1B Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa and Jurkat cells, using PPP2R1B Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using PPP2R1B antibody.