



# PP2A-B56- $\delta$ Polyclonal Antibody

<b>Catalog No</b>	BYab-14950
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	PPP2R5D
<b>Protein Name</b>	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PPP2R5D. AA range:544-593
<b>Specificity</b>	PP2A-B56- $\delta$ Polyclonal Antibody detects endogenous levels of PP2A-B56- $\delta$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	$\geq 90\%$
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	PPP2R5D; Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform; PP2A B subunit isoform B'-delta; PP2A B subunit isoform B56-delta; PP2A B subunit isoform PR61-delta; PP2A B subunit isoform R5-delta
<b>Observed Band</b>	70kD
<b>Cell Pathway</b>	Cytoplasm. Nucleus. Nuclear in interphase, nuclear during mitosis.
<b>Tissue Specificity</b>	Isoform Delta-2 is widely expressed. Isoform Delta-1 is highly expressed in brain.
<b>Function</b>	function:The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.,induction:By retinoic acid; in neuroblastoma cell lines.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the phosphatase 2A regulatory subunit B56 family.,subcellular location:Nuclear in interphase, nuclear during mitosis.,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

**Nanjing BYabscience technology Co.,Ltd**



subunits. Proteins that associate with the core dimer include three families of regulatory subunits B (the R2/B/PR55/B55, R3/B"/PR72/PR130/PR59 and R5/B'/B56 families), the 48 kDa variable regulatory subunit, viral proteins,

**Background**

The product of this gene belongs to the phosphatase 2A regulatory subunit B family. 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. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a delta isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],

**matters needing attention**

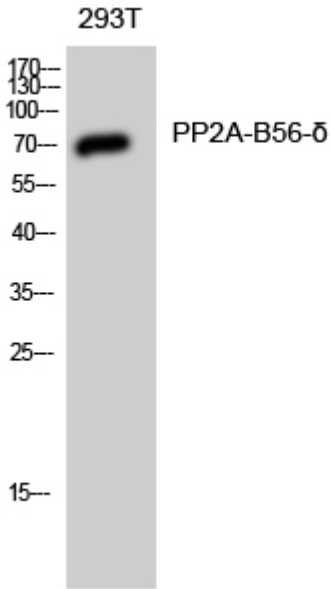
Avoid repeated freezing and thawing!

**Usage suggestions**

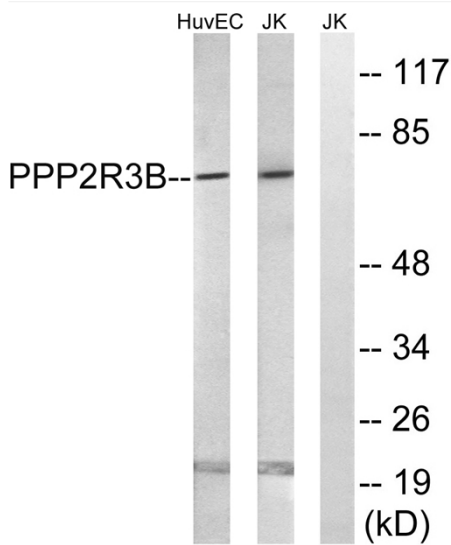
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



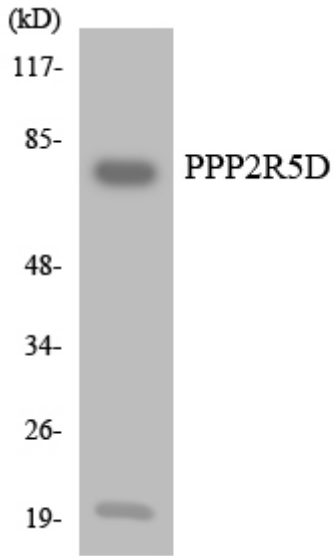
## Products Images



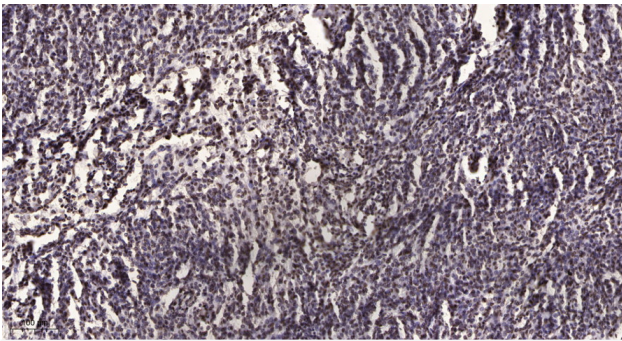
Western Blot analysis of 293T cells using PP2A-B56- $\delta$  Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from Jurkat and HUVEC cells, using PPP2R3B Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using PPP2R5D antibody.



Immunohistochemical analysis of paraffin-embedded human brain tumor. 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).