

PPP2R2B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8600c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q00005
Other Accession	A1L3L9 , P36877 , Q00006 , P54614 , Q6ZWR4 , Q4R8L3 , Q5E9Q7
Reactivity	Human
Predicted	Bovine, Mouse, Pig, Monkey, Rat, Rabbit, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21638
Calculated MW	51710
Antigen Region	104-130

Additional Information

Gene ID	5521
Other Names	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 subunit B isoform beta, PPP2R2B
Target/Specificity	This PPP2R2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-130 amino acids from the Central region of human PPP2R2B.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	PPP2R2B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PPP2R2B
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Function	The B regulatory subunit might modulate substrate selectivity and catalytic activity, and might also direct the localization of the catalytic enzyme to a particular subcellular compartment. Within the PP2A holoenzyme complex, isoform 2 is required to promote proapoptotic activity (By similarity). Isoform 2 regulates neuronal survival through the mitochondrial fission and fusion balance (By similarity).
Cellular Location	[Isoform 1]: Cytoplasm. Cytoplasm, cytoskeleton. Membrane
Tissue Location	Brain.

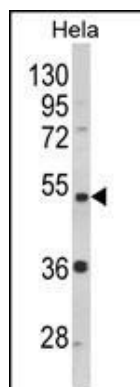
Background

PPP2R2B 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 protein is a beta isoform of the regulatory subunit B55 subfamily.

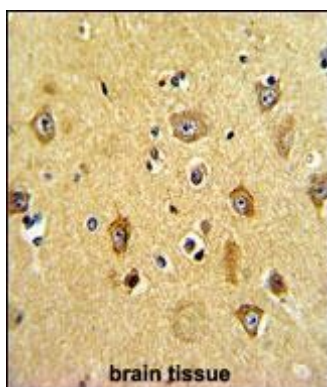
References

Rajkiewicz,M., et.al., Neurol. Neurochir. Pol. 42 (6), 497-504 (2008)
Ben-Israel,H., et.al., J. Virol. 82 (19), 9381-9388 (2008)
Strack,S., et.al., J. Comp. Neurol. 392 (4), 515-527 (1998)

Images

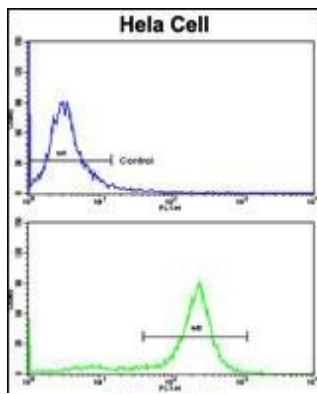


Western blot analysis of PPP2R2B Antibody (Center) (Cat. #AP8600c) in HeLa cell line lysates (35ug/lane). PPP2R2B (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue with PPP2R2B Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Flow cytometric analysis of hela cells using PPP2R2B Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated



goat-anti-rabbit secondary antibodies were used for the analysis.

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