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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, Canine, Chicken
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

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.

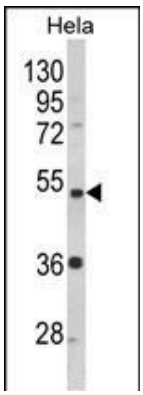
Background

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.

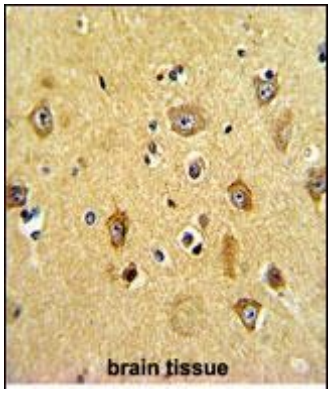
References

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

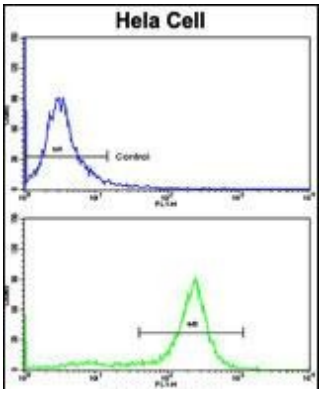


Western blot analysis of PPP2R2B Antibody (Center) (Cat. #AP8600c) in Hela cell line lysates (35ug/lane). PPP2R2B (arrow) was detected using the purified Pab.



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'.