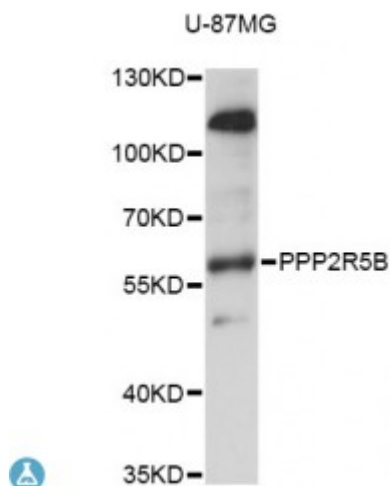


Anti-PPP2R5B Antibody



Description

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 beta isoform of the regulatory subunit B56 subfamily.

Model	STJ116465
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-130 of human PPP2R5B (NP_006235.1).
Gene ID	5526
Gene Symbol	PPP2R5B
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highest expression in brain
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit beta isoform PP2A B subunit isoform B'-beta PP2A B subunit isoform B56-beta

	PP2A B subunit isoform PR61-beta PP2A B subunit isoform R5-beta
Molecular Weight	57.393 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9310OMIM:601644Reactome:R-HSA-141444
Alternative Names	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit beta isoform PP2A B subunit isoform B'-beta PP2A B subunit isoform B56-beta PP2A B subunit isoform PR61-beta PP2A B subunit isoform R5-beta
Function	As the regulatory component of the serine/threonine-protein phosphatase 2A (PP2A) holoenzyme, modulates substrate specificity, subcellular localization, and responsiveness to phosphorylation, The phosphorylated form mediates the interaction between PP2A and AKT1, leading to AKT1 dephosphorylation,
Cellular Localization	Cytoplasm
Post-translational Modifications	Ubiquitinated by E3 CUL3-KLHL15 complex

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