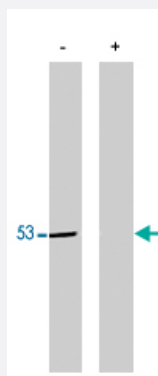


# PPP2R2B polyclonal antibody

Catalog # PAB10420

Size 100 ug

## Applications



### Western Blot (Tissue lysate)

PPP2R2B polyclonal antibody (Cat # PAB10420) in western blot of total rat brain extract. (+) or (-) indicates present of blocking peptide or control peptide.

## Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PPP2R2B.
Immunogen	A synthetic peptide (conjugated with KLH ) corresponding to amino acids 2-14 of PPP2R2B.
Sequence	CGEEDIDTRKINNSF
Host	Rabbit
Reactivity	Bovine, Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western blot (1:500 to 1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

PPP2R2B polyclonal antibody (Cat # PAB10420) in western blot of total rat brain extract. (+) or (-) indicates present of blocking peptide or control peptide.

## Gene Info — PPP2R2B

**Entrez GeneID** [5521](#)

**Gene Name** PPP2R2B

**Gene Alias** B55-BETA, FLJ95686, MGC24888, PP2A-B55BETA, PP2A-PR55B, PP2AB-BETA, PP2APR55-BETA, PR2AB-BETA, PR2AB55-BETA, PR2APR55-BETA, PR52B, PR55-BETA, SCA12

**Gene Description** protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform

**Omim ID** [604325](#) [604326](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** The product of this gene 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 gene encodes a beta isoform of the regulatory subunit B55 subfamily. Defects in this gene cause autosomal dominant spinocerebellar ataxia 12 (SCA12), a disease caused by degeneration of the cerebellum, sometimes involving the brainstem and spinal cord, and in resulting in poor coordination of speech and body movements. Multiple alternatively spliced variants, which encode different isoforms, have been identified for this gene. The 5' UTR of some of these variants includes a CAG trinucleotide repeat sequence (7-28 copies) that can be expanded to 66-78 copies in cases of SCA12. [provided by RefSeq]

**Other Designations** PP2A, subunit B, B-beta isoform|PP2A, subunit B, R2-beta isoform|beta isoform of regulatory subunit B55, protein phosphatase 2|protein phosphatase 2 (formerly 2A), regulatory subunit B (PR52), beta isoform|serine/threonine protein phosphatase 2A, 55 kDa

## Pathway

- [Tight junction](#)

## Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cerebellar Ataxia](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Essential tremor](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Parkinson disease](#)
- [Schizophrenia](#)
- [Spinocerebellar ataxia](#)
- [Spinocerebellar Ataxias](#)
- [Tobacco Use Disorder](#)