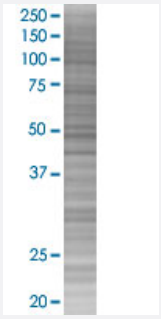
PPP2R2B 293T Cell Transient Overexpression Lysate(Denatured)

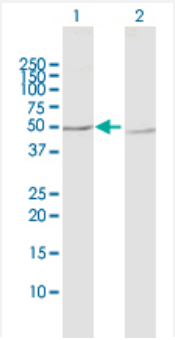
Catalog # H00005521-T02 Size 100 uL

Applications



SDS-PAGE Gel

PPP2R2B transfected lysate.



Western Blot

Lane 1: PPP2R2B transfected lysate (51.70 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PPP2R2B full-length
Host	Human
Theoretical MW (kDa)	51.7
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PPP2R2B antibody (H00005521-D01P) by Western Blots. SDS-PAGE Gel PPP2R2B transfected lysate. Western Blot Lane 1: PPP2R2B transfected lysate (51.70 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PPP2R2B

Entrez GeneID	5521
GeneBank Accession#	NM_004576.2
Protein Accession#	NP_004567.1
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 (PR 52), 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