10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPP2R2B Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PPP2R2B.
Catalog # AT3412a

Product Information

Application	WB
Primary Accession	Q00005
Other Accession	BC031790
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2C11
Calculated MW	51710

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	PPP2R2B (AAH31790, 101 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PPP2R2B Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

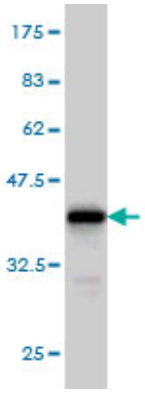
The product of this gene belongs to the phosphatase 2 regulatory subunit B family. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic 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.

References

1.Ataxia telangiectasia mutated nuclear localization in head and neck cancer cells is PPP2R2B-dependent.Suyarnsestakorn C, Thanasupawat T, Leelahavanichkul K, Gutkind JS, Mutirangura A.Asian Biomedicine Vol. 4 No. 3 June 2010; 373-383

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .

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