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PPP2R2B Antibody (monoclonal) (M01)

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

Specification

PPP2R2B Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	Q00005
Other Accession	BC031790
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**51710**

PPP2R2B Antibody (monoclonal) (M01) - 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.

PPP2R2B Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

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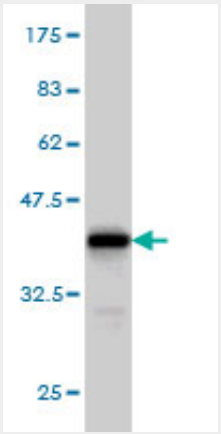
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PPP2R2B Antibody (monoclonal) (M01) - Images



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

PPP2R2B Antibody (monoclonal) (M01) - 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.

PPP2R2B Antibody (monoclonal) (M01) - 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