

PPP1CB polyclonal antibody

Catalog # PAB10412 Size 100 ug

Applications



Western Blot (Tissue lysate)

PPP1CB polyclonal antibody (Cat # PAB10412) in western blot of total rat brain homogenate. (+) indicates the presence of specific blocking peptide or (-) the presence of control peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PPP1CB.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 318-327 of PPP1CB.
Sequence	PRTANPPKKR
Host	Rabbit
Reactivity	Bovine, Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western blot (5 to 10 ug/mL) Immunoprecipitation (10 to 15 ug/mL) 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.

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- Immunoprecipitation

Gene Info — PPP1CB

Entrez GeneID	5500
Gene Name	PPP1CB
Gene Alias	MGC3672, PP-1B, PPP1CD
Gene Description	protein phosphatase 1, catalytic subunit, beta isoform
Omim ID	600590
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Mouse studies suggest that PP1 functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]
Other Designations	protein phosphatase 1, catalytic subunit, beta protein phosphatase 1, catalytic subunit, delta isoform protein phosphatase 1-beta protein phosphatase 1-delta serine/threonine protein phosphatase PP1-beta catalytic subunit

Pathway

- [Focal adhesion](#)
- [Insulin signaling pathway](#)
- [Long-term potentiation](#)

- [Regulation of actin cytoskeleton](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)