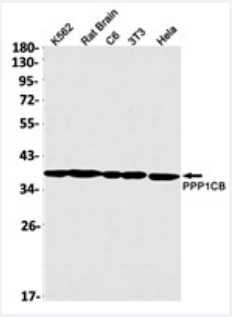
RecomAb™

PPP1CB recombinant monoclonal antibody, clone R09-6B7

Catalog # RAB04863 Size 100 uL

Applications



Western Blot

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PPP1CB.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PPP1CB.
Theoretical MW (kDa)	37
Reactivity	Human, Mouse, Rat
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity chromatography
Isotype	IgG

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Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:100) Immunohistochemistry (Frozen sections) (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Immunofluorescence
- Immunocytochemistry
- Immunoprecipitation
- Western Blot

Gene Info — PPP1CB

Entrez GeneID	5500
Protein Accession#	P62140
Gene Name	PPP1CB
Gene Alias	MGC3672, PP-1B, PPP1CD
Gene Description	protein phosphatase 1, catalytic subunit, beta isoform
Omim ID	600590
Gene Ontology	Hyperlink

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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 regulati on of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractili ty, 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 isofo rm|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

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