



PPM1B Polyclonal Antibody

Catalog No	YP-Ab-07146
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	PPM1B PP2CB
Immunogen	Synthesized peptide derived from human protein . at AA range: 310-390
Specificity	PPM1B Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Protein phosphatase 1B;PP2C-beta;PP2CB;PP2C beta;EC:3.1.3.16;PPM1B; PPM1B PP2CB;Protein phosphatase 1B (EC 3.1.3.16) (Protein phosphatase 2C isoform beta) (PP2C-beta)
Observed Band	36, 53 kDa
Calculated Molecular Weight	479 aa, 53 kDa
Cell Pathway	Cytoplasm, cytosol . Membrane ; Lipid-anchor . Weakly associates at the membrane and N-myristoylation mediates the membrane localization. .
Tissue Specificity	Highly expressed in heart and skeletal muscle.
Function	alternative products:Additional isoforms seem to exist,catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,cofactor:Binds 2 magnesium or manganese ions per subunit.,function:Enzyme with a broad specificity. Dephosphorylates CDK2 and CDK6 in vitro.,similarity:Belongs to the PP2C family.,subunit:Monomer.,tissue specificity:Highly expressed in heart and skeletal muscle.,
Background	The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase has been shown

to dephosphorylate cyclin-dependent kinases (CDKs), and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to cause cell-growth arrest or cell death. Alternative splicing results in multiple transcript variants encoding different isoforms. Additional transcript variants have been described, but currently do not represent full-length sequences. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images