



# PPM1B Polyclonal Antibody

<b>Catalog No</b>	BYab-07146
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	PPM1B PP2CB
<b>Protein Name</b>	Protein phosphatase 1B (EC 3.1.3.16) (Protein phosphatase 2C isoform beta) (PP2C-beta)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 310-390
<b>Specificity</b>	PPM1B Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	52kD
<b>Cell Pathway</b>	Cytoplasm, cytosol . Membrane ; Lipid-anchor . Weakly associates at the membrane and N-myristoylation mediates the membrane localization. .
<b>Tissue Specificity</b>	Highly expressed in heart and skeletal muscle.
<b>Function</b>	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.,
<b>Background</b>	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

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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**