

## PPM1B Polyclonal Antibody

<b>Catalog No :</b>	YN2285
<b>Reactivity :</b>	Human;Rat;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	PPM1B
<b>Fields :</b>	>>MAPK signaling pathway
<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>Human Gene Id :</b>	5495
<b>Human Swiss Prot No :</b>	O75688
<b>Mouse Swiss Prot No :</b>	P36993
<b>Rat Swiss Prot No :</b>	P35815
<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>Dilution :</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 52kD

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**Cell Pathway :** MAPK\_ERK\_Growth;MAPK\_G\_Protein;

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**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],

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**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.,

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**Subcellular Location :**

Cytoplasm, cytosol . Membrane ; Lipid-anchor . Weakly associates at the membrane and N-myristoylation mediates the membrane localization. .

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**Expression :** Highly expressed in heart and skeletal muscle.

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**Sort :** 21015

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**No4 :** 1

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**Host :** Rabbit

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**Modifications :** Unmodified

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## Products Images