Best Tools for immunology Research

PPM1B Polyclonal Antibody

Catalog No :	YN2285
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	PPM1B
Fields :	>>MAPK signaling pathway
Gene Name :	PPM1B PP2CB
Protein Name :	Protein phosphatase 1B (EC 3.1.3.16) (Protein phosphatase 2C isoform beta) (PP2C-beta)
Human Gene Id :	5495
Human Swiss Prot No :	O75688
Mouse Swiss Prot No :	P36993
Rat Swiss Prot No :	P35815
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
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	52kD
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;
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],
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.,
Subcellular Location :	Cytoplasm, cytosol . Membrane ; Lipid-anchor . Weakly associates at the membrane and N-myristoylation mediates the membrane localization. .
Expression :	Highly expressed in heart and skeletal muscle.

Products Images