

KD-Validated Anti-PPM1B Mouse Monoclonal Antibody

Mouse monoclonal Antibody

Catalog # AGI2164

Product Information

Application	WB
Primary Accession	O75688
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	24GB13970
Calculated MW	52643
Gene Name	PPM1B
Aliases	PPM1B; Protein Phosphatase, Mg ²⁺ /Mn ²⁺ Dependent 1B; PP2CB; PPC2BETAX; PP2CBETA; Protein Phosphatase 1B; EC 3.1.3.16; PP2C-Beta; Protein Phosphatase 1B (Formerly 2C), Magnesium-Dependent, Beta Isoform; Protein Phosphatase, Mg ²⁺ /Mn ²⁺ Dependent, 1B; Protein Phosphatase 2C, Beta Isoform; Protein Phosphatase 2C-Like Protein; Protein Phosphatase 2C Isoform Beta; PP2C-Beta-X
Immunogen	Recombinant protein of human PPM1B

Additional Information

Gene ID	5495
Other Names	Protein phosphatase 1B, 3.1.3.16, Protein phosphatase 2C isoform beta, PP2C-beta, PPM1B, PP2CB

Protein Information

Name	PPM1B
Synonyms	PP2CB
Function	Enzyme with a broad specificity. Dephosphorylates CDK2 and CDK6 in vitro. Dephosphorylates PRKAA1 and PRKAA2. Inhibits TBK1- mediated antiviral signaling by dephosphorylating it at 'Ser-172'. Plays an important role in the termination of TNF-mediated NF-kappa-B activation through dephosphorylating and inactivating IKBKB/IKKB.
Cellular Location	Cytoplasm, cytosol. Membrane {ECO:0000250 UniProtKB:P36993}; Lipid-anchor {ECO:0000250 UniProtKB:P36993}. Note=Weakly associates at the membrane and N-myristoylation mediates the membrane localization {ECO:0000250 UniProtKB:P36993}
Tissue Location	Highly expressed in heart and skeletal muscle.

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