

Rabbit PP2C alpha Polyclonal Antibody | anti-PPM1B antibody

PP2C alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328988	Rabbit	HumanPredicted Reactivity: Pig(100%), Bovine(100%), Horse(86%), Rabbit(100%), Dog(100%)	ELISA

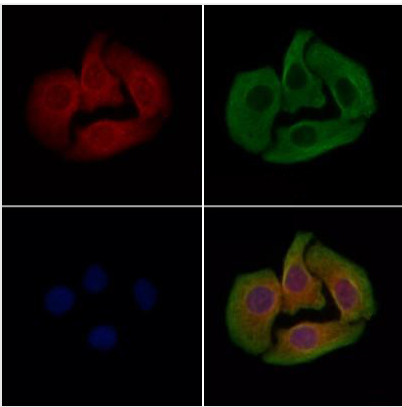
PRODUCT SYNONYMS

PP2C alpha; Polyclonal Antibody; PP2C alpha Antibody; MGC21657; OTTHUMP00000158953; OTTHUMP00000158954; OTTHUMP00000158955; OTTHUMP00000202394; OTTHUMP00000202395; OTTHUMP00000202399; PP2C beta; PP2C beta X; PP2C-beta; PP2CB; PP2Cbeta; PPC2BETAX; PPM 1B; Ppm1b; PPM1B_HUMAN; Protein phosphatase 1B (formerly 2C) magnesium dependent beta isoform; Protein phosphatase 1B; Protein phosphatase 1B magnesium dependent beta isoform; Protein phosphatase 2C beta isoform; Protein phosphatase 2C isoform beta; Protein phosphatase 2C like protein; Protein phosphatase; Mg2+/Mn2+ dependent; 1B; anti-PPM1B antibody

PRODUCT SPECIFICATIONS

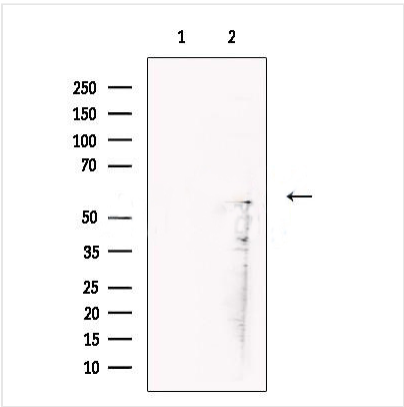
Host	Rabbit
Reactivity	Human Predicted Reactivity: Pig(100%), Bovine(100%), Horse(86%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	PP2C alpha Antibody detects endogenous levels of total PP2C alpha.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	192
Applicable Applications for anti-PPM1B antibody	ELISA
Immunogen	A synthesized peptide derived from human PP2C alpha, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328988 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328988 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using PP2C alpha Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1B antibody	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-alpha-mediated NF-kappa-B activation through dephosphorylating and inactivating IKKB/IKKB.
	Post Translational Modifications: Isgylation negatively regulates its activity. N-myristoylation is essential for the recognition of its substrates for dephosphorylation.
	Subcellular Location: Cytoplasm>Cytosol. Membrane>Lipid-anchor. Note: Weakly associates at the membrane and N-myristoylation mediates the membrane localization.
	Tissue Specificity: Highly expressed in heart and skeletal muscle.
	Subunit Structure: Monomer (By similarity). Interacts with PAK6. Interacts with the phosphorylated form of IKKB/IKKB.
	Similarity: Belongs to the PP2C family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29558099
NCBI GeneID	5495
NCBI Accession #	NP_808908
NCBI GenBank Nucleotide #	NP_808908.1
UniProt Accession #	O75688
Molecular Weight	Observed Molecular Weight: (Observed)52kD. Predicted Molecular Weight: (Calculated)53kDa.
NCBI Official Full Name	protein phosphatase 1B isoform 3
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent 1B
NCBI Official Symbol	PPM1B

NCBI Official Synonym Symbols	PP2CB; PP2CBETA; PP2C-beta; PPC2BETAX; PP2C-beta-X
NCBI Protein Information	protein phosphatase 1B
UniProt Protein Name	Protein phosphatase 1B
UniProt Gene Name	PPM1B
UniProt Synonym Gene Names	PP2CB; PP2C-beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pp2c-alpha-antibody-elisa/328988>