

32-6010: Mouse Anti Human Protein Phosphatase 1A Alpha Isoform(Clone:Pp6c7AT.)

Clonality :	Monoclonal
Clone Name :	Pp6c7AT.
Application :	ELISA,WB
Gene :	PPM1A
Gene ID :	5494
Uniprot ID :	P35813
Format :	Purified
Alternative Name :	Protein phosphatase 1A,EC 3.1.3.16,Protein phosphatase 2C isoform alpha,PP2C-alpha,IA,PPM1A,PP2CA,MGC9201.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human PPM1A mAb, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PPM1A amino acids 1-382 purified from E. coli.

Description

Protein Phosphatase 2C alpha 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 dephosphorylates, and negatively regulates the activities of, MAP kinases and MAP kinase kinases. It has been shown to inhibit the activation of p38 and JNK kinase cascades induced by environmental stresses. This phosphatase can also dephosphorylate cyclin-dependent kinases, and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to activate the expression of the tumor suppressor gene TP53/p53, which leads to G2/M cell cycle arrest and apoptosis. Three alternatively spliced transcript variants encoding two distinct isoforms have been described. Protein phosphatase 2C(PP2C?) is a Mn²⁺- or Mg²⁺-dependent protein serine/threonine phosphatase that is essential for regulating cellular stress response in eukaryotes.

Product Info

Amount :	20 µg
Purification :	PPM1A antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

PPM1A antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:250 ~ 500. Recommended starting dilution is 1:250.