

Anti-PP2C-alpha Antibody

Catalog # AP96138

Product Information

Application	WB, FC
Primary Accession	P35813
Reactivity	Human, Mk
Host	Mouse
Clonality	Monoclonal
Calculated MW	42448

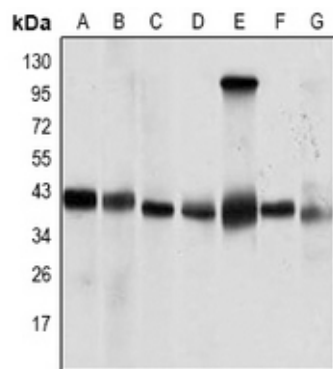
Additional Information

Gene ID	5494
Other Names	PPPM1A; Protein phosphatase 1A; Protein phosphatase 2C isoform alpha; PP2C-alpha; Protein phosphatase 1A
Target/Specificity	Recombinant fragment of human PP2C-alpha expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

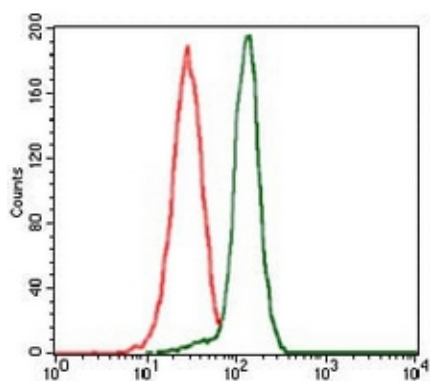
Protein Information

Name	PPM1A
Synonyms	PPPM1A
Function	Enzyme with a broad specificity. Negatively regulates TGF- beta signaling through dephosphorylating SMAD2 and SMAD3, resulting in their dissociation from SMAD4, nuclear export of the SMADs and termination of the TGF-beta-mediated signaling. Dephosphorylates PRKAA1 and PRKAA2. Plays an important role in the termination of TNF-mediated NF-kappa-B activation through dephosphorylating and inactivating IKBKB/IKKB.
Cellular Location	Nucleus. Cytoplasm, cytosol. Membrane; Lipid- anchor Note=Weakly associates at the membrane and N-myristoylation mediates the membrane localization. {ECO:0000250 UniProtKB:P49443}

Images



Western blot analysis of PP2C-alpha expression in COS7 (A), Jurkat (B), A431 (C), HeLa (D), HEK293 (E), Raji (F), MCF7 (G) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 42 kD)



Flow cytometric analysis of HeLa cells using Anti-PP2C-alpha Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.