10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPM1G Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8434b

Product Information

Application	WB, E
Primary Accession	O15355
Reactivity	Human, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB5657
Calculated MW	59272
Antigen Region	150-180

Additional Information

Gene ID	5496
Other Names	Protein phosphatase 1G, Protein phosphatase 1C, Protein phosphatase 2C isoform gamma, PP2C-gamma, Protein phosphatase magnesium-dependent 1 gamma, PPM1G, PPM1C
Target/Specificity	This PPM1G antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 150-180 amino acids from the Central region of human PPM1G.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PPM1G Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

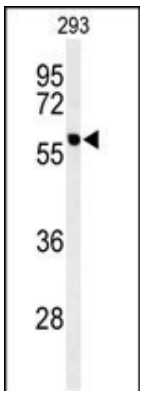
Name	PPM1G
Synonyms	PPM1C

Cellular Location	Cytoplasm. Membrane; Lipid-anchor
Tissue Location	Widely expressed. Most abundant in testis, skeletal muscle, and heart

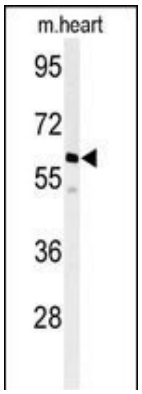
Background

PPM1G 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 is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome. Studies of a similar gene in mice suggested a role of this phosphatase in regulating cell cycle progression.

Images



Western blot analysis of hPPM1G-C164 (Cat. #AP8434b) in 293 cell line lysates (35ug/lane). PPM1G (arrow) was detected using the purified Pab.



Western blot analysis of hPPM1G-C164 (Cat. #AP8434b) in mouse heart tissue lysates (35ug/lane). PPM1G (arrow) was detected using the purified Pab.

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