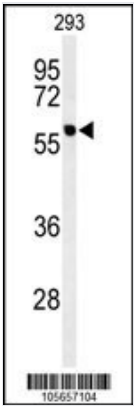
PPM1G Antibody – Rabbit Polyclonal

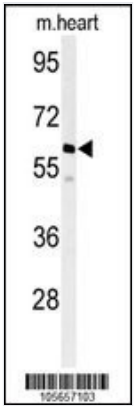
PRODUCT OVERVIEW

Product Name	PPM1G, Polyclonal Antibody
Full Product Name	PPM1G Antibody (Center)
Product Gene Name	anti-PPM1G antibody
Product Synonym Names	Protein phosphatase 1G; Protein phosphatase 1C; Protein phosphatase 2C isoform gamma; PP2C-gamma; Protein phosphatase magnesium-dependent 1 gamma; PPM1G; PPM1C
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human, mouse
Form/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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 2 (lot specific)
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.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	59272
Immunogen Sequence Positions	150-180
OMIM	605119
3D Structure	ModBase 3D Structure for O15355
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-PPM1G antibody	Cell Biology; Signal transduction
Applications Tested/Suitable for anti-PPM1G antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PPM1G antibody	WB~~1:1000
Related Product Information for anti-PPM1G antibody	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.
Other Notes	Small volumes of anti-PPM1G antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for PPM1G purchase	MBS9209298 is an antibody targeting PPM1G. Also known as PPM1G Antibody (Center). Reactive in Human, mouse. Host: Rabbit.



Western Blot (WB) of anti-PPM1G antibody
Western blot analysis of hPPM1G-C164 in 293 cell line lysates (35ug/lane). PPM1G (arrow) was detected using the purified Pab.



Western Blot (WB) of anti-PPM1G antibody
Western blot analysis of hPPM1G-C164 in mouse heart tissue lysates (35ug/lane). PPM1G (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPM1G. It may not necessarily be applicable to this product.

NCBI GI #	29826282
NCBI GeneID	5496
NCBI Accession #	NP_817092.1
UniProt Primary Accession #	O15355
UniProt Related Accession #	O15355
GenBank Nucleotide #	NM_177983.2
NCBI Official Full Name	protein phosphatase 1G
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent, 1G
NCBI Official Symbol	PPM1G
NCBI Official Synonym Symbols	PP2CG; PPP2CG; PP2CGAMMA
UniProt Protein Name	Protein phosphatase 1G
UniProt Synonym Protein Names	Protein phosphatase 1C; Protein phosphatase 2C isoform gamma; PP2C-gamma; Protein phosphatase magnesium-dependent 1 gamma
Protein Family	Protein phosphatase
UniProt Gene Name	PPM1G
UniProt Synonym Gene Names	PPM1C; PP2C-gamma
UniProt Entry Name	PPM1G_HUMAN
NCBI Protein Information	protein phosphatase 1G
NCBI Summary for PPM1G	The protein encoded by this gene 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. [provided by RefSeq, Apr 2010]

UniProt Comments for PPM1G	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. [provided by RefSeq, Apr 2010] Protein type: Spliceosome; Protein phosphatase, Ser/Thr (non-receptor); EC 3.1.3.16; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 2p23.3 Cellular Component: nucleoplasm; cytoplasm; nucleus Molecular Function: protein binding; metal ion binding; protein serine/threonine phosphatase activity Biological Process: protein amino acid dephosphorylation; cell cycle arrest
Research Articles on PPM1G	**1.** PPM1G inactivates monomeric WWP2 and promotes the assembly of WWP2-WWP1 heterodimeric complex.
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