

Rabbit anti-Human PPM1G Monoclonal Antibody | anti-PPM1G antibody

Recombinant Anti-PPM1G Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255371	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

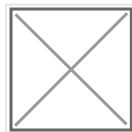
PRODUCT SYNONYMS

PPM1G; Monoclonal Antibody; Recombinant Anti-PPM1G Antibody; Rabbit Monoclonal; PPM1G Antibody; Rabbit MAb; protein phosphatase; Mg²⁺/Mn²⁺ dependent; 1G; Anti-PP2CG Antibody; Anti-PP2CGAMMA Antibody; Anti-PPP2CG Antibody; anti-PPM1G antibody

PRODUCT SPECIFICATIONS

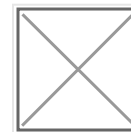
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	112
Specificity	Human PPM1G
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PPM1G antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human PPM1G protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human PPM1G (rh PPM1G).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-PPM1G rabbit monoclonal antibody at 1:500 dilution Lane A: Hela Whole Cell Lysate Lane B: 293T Whole Cell Lysate Lane C: Jurkat Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 59 kDa



IF (Immunofluorescence)

Immunofluorescence staining of Human PPM1G in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PPM1G monoclonal antibody (1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green).

**IHC (Immunohistochemistry)**

Immunochemical staining of human PPM1G in human epididymis with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to skeletal muscle.

**IHC (Immunohistochemistry)**

Immunochemical staining of human PPM1G in human heart with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to cardiac muscle.

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1G antibody	Protein phosphatase 1G, also known as Protein phosphatase 1C, Protein phosphatase 2C isoform gamma, Protein phosphatase magnesium-dependent 1 gamma, PP2C-gamma, PPM1G and PPM1C, is a cytoplasm protein that belongs to the PP2C family. PPM1G/PP2C-gamma is widely expressed. It is most abundant in testis, skeletal muscle, and heart. Alternatively spliced transcript variants encoding the same protein have been described. PP2C family members are known to be negative regulators of cell stress response pathways. PPM1G/PP2C-gamma is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome. PPM1G/PP2C-gamma also plays a role in regulating cell cycle progression.
Product Categories/Family for anti-PPM1G antibody	Phosphatases and Regulators
References	Travis S.M., et al., 1997, FEBS Lett. 412:415-9. Molina H., et al., 2007, Proc. Natl. Acad. Sci. USA. 104: 2199-204. Matsuoka S., et al., 2007, Science 316:1160-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3122589
NCBI GeneID	5496
UniProt Accession #	O15355
Molecular Weight	546
NCBI Official Full Name	Protein phosphatase 1G
NCBI Official Synonym Full Names	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1G
NCBI Official Symbol	PPM1G
NCBI Official Synonym Symbols	PP2CG; PPP2CG; PP2CGAMMA
NCBI Protein Information	protein phosphatase 1G; PP2C-gamma; PP2C, gamma; protein phosphatase 1C; protein phosphatase 2C gamma isoform; protein phosphatase 2C isoform gamma; protein phosphatase magnesium-dependent 1 gamma; protein phosphatase 2, catalytic subunit, gamma isoform
UniProt Protein Name	Protein phosphatase 1G
UniProt Gene Name	PPM1G
UniProt Synonym Gene Names	PPM1C; PP2C-gamma
UniProt Entry Name	PPM1G_HUMAN

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/monoclonal/ppm1g-antibody-clone-112-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/255371>