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PPM1G Recombinant Rabbit mAb

Catalog # AP100164

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O15355
Other Accession	O15355
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	59272
Physical State	Liquid
Immunogen	A synthesized peptide derived from human PPM1G
Epitope Specificity	301-450
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the PP2C family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	5496
Other Names	PPM1G_HUMAN; PPM1G; Protein phosphatase 1C; Protein phosphatase 2C isoform gamma (PP2C-gamma); Protein phosphatase magnesium-dependent 1 gamma; 3.1.3.16; PPM1C; PP2CG; PP2CGAMMA; PPP2CG; protein phosphatase, Mg2+/Mn2+ dependent 1G; protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform; protein phosphatase, Mg2+/Mn2+ dependent, 1G; PP2C, gamma; protein phosphatase 2C, gamma isoform
Dilution	WB=1:500-2000,IHC-P=1:100-200,IHC-F=1:100-200,IF=1:50-200,Flow-Cyt=1:50-100
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PPM1G
Synonyms	PPM1C
Cellular Location	Cytoplasm. Membrane; Lipid-anchor
Tissue Location	Widely expressed. Most abundant in testis, skeletal muscle, and heart

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