



## Anti-PPM1G (aa 462-544) polyclonal antibody (DPAB-DC2372)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	PPM1G (NP_817092, 462 a.a. ~ 544 a.a) partial recombinant protein with GST tag. The sequence is  QRDENGEPLLSSIVEELLDQCLAPDTSGDTGCDNMTCIIICFKPRNTAELQPESGKRK LEEVLSSEGAEENGNSDKKKAK
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

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<b>Gene Name</b>	<a href="#">PPM1G protein phosphatase, Mg2+/Mn2+ dependent, 1G [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PPM1G
<b>Synonyms</b>	PPM1G; protein phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> dependent, 1G; PP2CG; PPP2CG; PP2CGAMMA; 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; protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform;
<b>Entrez Gene ID</b>	<a href="#">5496</a>
<b>Protein Refseq</b>	<a href="#">NP_817092</a>
<b>UniProt ID</b>	<a href="#">O15355</a>
<b>Chromosome Location</b>	2p23.3
<b>Pathway</b>	mRNA processing;
<b>Function</b>	metal ion binding; protein binding; protein serine/threonine phosphatase activity;

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