



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

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

GENE INFORMATION

Gene Name	PPM1G protein phosphatase, Mg2+/Mn2+ dependent, 1G [Homo sapiens (human)]
Official Symbol	PPM1G
Synonyms	PPM1G; protein phosphatase, Mg2+/Mn2+ 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;
Entrez Gene ID	5496
Protein Refseq	NP_817092
UniProt ID	O15355
Chromosome Location	2p23.3
Pathway	mRNA processing;
Function	metal ion binding; protein binding; protein serine/threonine phosphatase activity;