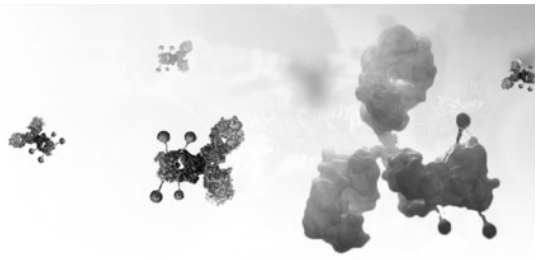

Anti-PPM1A monoclonal antibody, clone 8G23 (DCABH-3209)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to PPM1A
Antigen Description	Enzyme with a broad specificity. Negatively regulates TGF-beta signaling through dephosphorylating SMAD2 and SMAD3, resulting in their dissociation from SMAD4, nuclear export of the SMADs and termination of the TGF-beta-mediated signaling.
Immunogen	Purified recombinant fragment corresponding to amino acids 202-382 of Human PPM1A, expressed in E. coli.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Monkey
Clone	8G23
Purity	IgG fraction
Conjugate	Unconjugated
Applications	WB, ELISA, Flow Cyt
Positive Control	Human PPM1A recombinant protein. Cell lysate from PPM1A transfected HEK293 cells. Cell lysates from Jurkat, A431, HeLa, HEK293, Raji, MCF-7 and COS7 cells. HeLa cells.
Format	Liquid
Size	100 µl
Buffer	Preservative: 0.05% Sodium azide; Constituent: 99% PBS. Note: Protein stabiliser at 0.5%.

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Storage	Store at 4°C or at -20°C for long term storage.

GENE INFORMATION

Gene Name	PPM1A protein phosphatase, Mg2+/Mn2+ dependent, 1A [Homo sapiens]
Official Symbol	PPM1A
Synonyms	PPM1A; protein phosphatase, Mg2+/Mn2+ dependent, 1A; protein phosphatase 1A (formerly 2C), magnesium dependent, alpha isoform; protein phosphatase 1A; MGC9201; phosphatase 2C alpha; PP2CA; PP2Calpha; protein phosphatase 2C; alpha isoform; protein phosphat
Entrez Gene ID	5494
Protein Refseq	NP_066283
UniProt ID	A0A024R6A5
Chromosome Location	14q23.1
Pathway	BMP receptor signaling, organism-specific biosystem; Energy dependent regulation of mTOR by LKB1-AMPK, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem; Insulin receptor signalling cascade, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem;
Function	R-SMAD binding; calmodulin-dependent protein phosphatase activity; hydrolase activity; magnesium ion binding; manganese ion binding; protein C-terminus binding; protein binding; protein serine/threonine phosphatase activity; signal transducer activity;

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