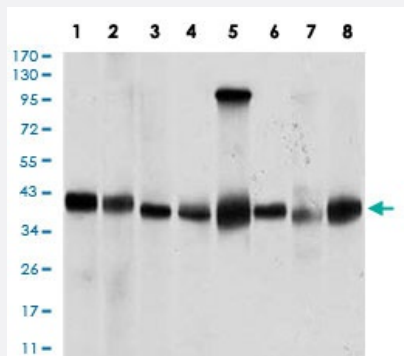


PPM1A monoclonal antibody, clone 7F12

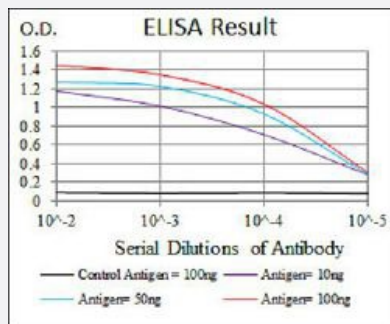
Catalog # MAB17729 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of (1) Jurkat cell, (2) Jurkat cell, (3) A431 cell, (4) HeLa cell, (5) HEK293 cell, (6) Raji cell, (7) MCF-7 cell, (8) COS7 cell with PPM1A monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PPM1A monoclonal antibody, clone 7F12.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human PPM1A.
Immunogen	Recombinant protein corresponding to amino acids 202-382 of human PPM1A from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	42.4
Reactivity	Human, Monkey
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunocytochemistry Immunohistochemistry Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) Jurkat cell, (2) Jurkat cell, (3) A431 cell, (4) HeLa cell, (5) HEK293 cell, (6) Raji cell, (7) MCF-7 cell, (8) COS7 cell with PPM1A monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PPM1A monoclonal antibody, clone 7F12.

Gene Info — PPM1A

Entrez GeneID	5494
Gene Name	PPM1A
Gene Alias	FLJ42306, MGC9201, PP2C-ALPHA, PP2CA
Gene Description	protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform
Omim ID	606108
Gene Ontology	Hyperlink

Gene Summary

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 dephosphorylates, and negatively regulates the activities of, MAP kinases and MAP kinase kinases. It has been shown to inhibit the activation of p38 and JNK kinase cascades induced by environmental stresses. This phosphatase can also dephosphorylate cyclin-dependent kinases, and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to activate the expression of the tumor suppressor gene TP53/p53, which leads to G2/M cell cycle arrest and apoptosis. Three alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

Other Designations

protein phosphatase 1A|protein phosphatase 2C alpha isoform

Pathway

- [MAPK signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)