

Mouse anti-Human PP2C alpha/PPM1A Monoclonal Antibody | anti-PPM1A antibody

PP2C alpha/PPM1A

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48287	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PP2C alpha/PPM1A; Monoclonal Antibody; Protein phosphatase 1A (formerly 2C) magnesium-dependent alpha isoform; PDP1; PDP; PPM2C; PP2C alpha; Protein phosphatase 2C; PDP 1; EC 3.1.3.43; Pyruvate dehydrogenase phosphatase catalytic subunit 1; PDPC 1; Pyruvate dehydrogenase acetyl-transferring-phosphatase 1; PPM1A; Protein phosphatase 1A (formerly 2C); ppm1a; FLJ42306; MGC9201; PP2CA; PP2Calpha; PP2C-alpha; protein phosphatase Mg2+/Mn2+ dependent 1A; anti-PPM1A antibody

PRODUCT SPECIFICATIONS

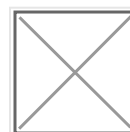
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	p6C7
Purity/Purification	Protein-A Affinity Chromatography
Form/Format	Liquid; In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	455
Applicable Applications for anti-PPM1A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human PP2Calpha/PPM1A (1-382aa) purified from E Coli.
Conjugation	Unconjugated
Preparation and Storage	Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)

The cell lysates (40ug) and tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PP2C alpha/PPM1A antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.;Lane 1: Jurkat cell lysate;Lane 2: HeLa cell lysate;Lane 3: K-562 cell lysate;Lane 4: MCF7 cell lysate;Lane 5: A549 cell lysate;Lane 6: Raji cell lysate;Lane 7: Mouse kidney tissue lysate;Lane 8: Mouse brain tissue lysate;Lane 9: Mouse liver tissue lysate



ICC (Immunocytochemistry)

ICC/IF analysis of PP2C alpha/PPM1A in HeLa cells. The cell was stained (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1A antibody	Protein phosphatase 2C (PP2Calpha) is a Mn2+-or Mg 2+ -dependent protein serine/threonine phosphatase that inhibits the human stress-responsive p38 and JNk MAPk pathways and regulates cellular stress response in eukaryotes. The PPM (metal-dependent protein phosphatase) family of Ser/Thr protein phosphatases have recently been shown to down-regulate the stress response pathways in eukaryotes. Within the stress pathway, key signaling kinases, which are activated by protein phosphorylation, have been proposed as the in vivo substrates of PP2Calpha, the prototypical member of the PPM family.
Product Categories/Family for anti-PPM1A antibody	Cancer; Epigenetics and Nuclear Signaling; Metabolism; Signal Transduction
References	Lin X, et al., (2006) Cell. 125(5): 915-928. Duan X, et al., (2006) J Biol Chem. 281(48):36526-32.

NCBI AND UNIPROT INFORMATION

NCBI GI #	193211600
NCBI GeneID	5494
NCBI Accession #	NP_808821.2
NCBI GenBank Nucleotide #	NP_808821.2
UniProt Accession #	P35813
NCBI Official Full Name	protein phosphatase 1A isoform 3
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent 1A
NCBI Official Symbol	PPM1A
NCBI Official Synonym Symbols	PP2CA; PP2Calpha; PP2C-ALPHA
NCBI Protein Information	protein phosphatase 1A
UniProt Protein Name	Protein phosphatase 1A
UniProt Gene Name	PPM1A
UniProt Synonym Gene Names	PPPM1A; PP2C-alpha
UniProt Entry Name	PPM1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pp2c-alpha-ppm1a-antibody-clone-p6c7-immunofluorescence-immunocytochemistry-western-blot-elisa/48287>