

Mouse anti-Human PPM1F Monoclonal Antibody | anti-PPM1F antibody

PPM1F antibody

CATALOG # AAA48123	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

PPM1F; Monoclonal Antibody; PPM1F antibody; Protein phosphatase 1F; CAMKP; CaMKPase; FEM-2; hFEM-2; POPX2; anti-PPM1F antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	AT6D11
Purity/Purification	By 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	454
Applicable Applications for anti-PPM1F antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PPM1F (1-454aa) purified from E. coli
Clone Note	Anti-human PPM1F mAb, clone AT6D11, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PPM1F protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PPM1F in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PPM1F antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The lysate of Jurkat (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PPM1F antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The Cell lysates (2ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PPM1F antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: PPM1F Transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1F antibody	PPM1F 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 can interact with Rho guanine nucleotide exchange factors (PIX), and thus block the effects of p21-activated kinase 1 (PAK), a protein kinase mediating biological effects downstream of Rho GTPases. Calcium/calmodulin-dependent protein kinase II gamma (CAMK2G/CAMK-II) is found to be one of the substrates of this phosphatase. The overexpression of this phosphatase or CAMK2G has been shown to mediate caspase-dependent apoptosis. An alternatively spliced transcript variant has been identified, but its full-length nature has not been determined.
Product Categories/Family for anti-PPM1F antibody	Apoptosis
References	Koh, CG., et al. (2002) Curr Biol 12 (4): 317-21; Tan, KM., et al. (2001) J Biol Chem 276 (47): 44193-202

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661862
NCBI GeneID	9647
NCBI Accession #	NP_055449
NCBI GenBank Nucleotide #	NM_014634.3
UniProt Accession #	P49593; Q96PM2; A8K6G3; B7Z2C3
Molecular Weight	38,518 Da
NCBI Official Full Name	protein phosphatase 1F
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent 1F
NCBI Official Symbol	PPM1F
NCBI Official Synonym Symbols	CAMKP; FEM-2; POPX2; hFEM-2; CaMKPase
NCBI Protein Information	protein phosphatase 1F
UniProt Protein Name	Protein phosphatase 1F
UniProt Gene Name	PPM1F
UniProt Synonym Gene Names	KIAA0015; POPX2; CaM-kinase phosphatase; CaMKPase; hFem-2

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/ppm1f-antibody-clone-at6d11-immunofluorescence-immunocytochemistry-western-blot-elisa/48123>