

Rabbit anti-Human, Mouse PPM1K Polyclonal Antibody | anti-PPM1K antibody

PPM1K Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325004	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PPM1K; Polyclonal Antibody; PPM1K Antibody; mitochondrial; PP2C domain containing protein phosphatase 1K; PP2C domain-containing protein phosphatase 1K; PP2C kappa; PP2C like mitochondrial protein; PP2C type mitochondrial phosphoprotein phosphatase; PP2C-kappa; PP2C-like mitochondrial protein; PP2C-type mitochondrial phosphoprotein phosphatase; PP2CM; PPM1K_HUMAN; Protein phosphatase 1K; Protein phosphatase 2C isoform kappa; PTMP; anti-PPM1K antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PPM1K antibody detects endogenous levels of total PPM1K
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	372
Applicable Applications for anti-PPM1K antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Matrix.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 293 cells, using PPM1K antibody.



IHC (Immunohistochemistry)

AAA325004 at 1/100 staining Human lung cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA325004 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PPM1K antibody	Function: Regulates the mitochondrial permeability transition pore and is essential for cellular survival and development. Similarity: Belongs to the PP2C family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167466276
NCBI GeneID	152926
NCBI Accession #	NP_689755.3
NCBI GenBank Nucleotide #	NM_152542.4
UniProt Accession #	Q8N3J5; Q05CT5; Q49AB5; Q4W5E6; Q56AN8; Q8IUZ7; Q8IXG7; Q8ND70; Q96NT4; B2RAZ1
Molecular Weight	Observed: 45 kD Predicted: 41 kDa
NCBI Official Full Name	protein phosphatase 1K, mitochondrial
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent 1K
NCBI Official Symbol	PPM1K
NCBI Official Synonym Symbols	BDP; PTMP; PP2Cm; MSUDMV; PP2Ckappa; UG0882E07
NCBI Protein Information	protein phosphatase 1K, mitochondrial
UniProt Protein Name	Protein phosphatase 1K, mitochondrial
UniProt Gene Name	PPM1K
UniProt Synonym Gene Names	PP2CM; PTMP; PP2C-kappa

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/polyclonal/ppm1k-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/325004>