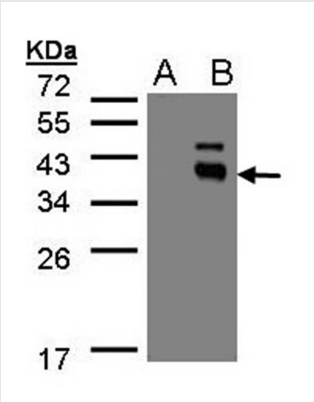
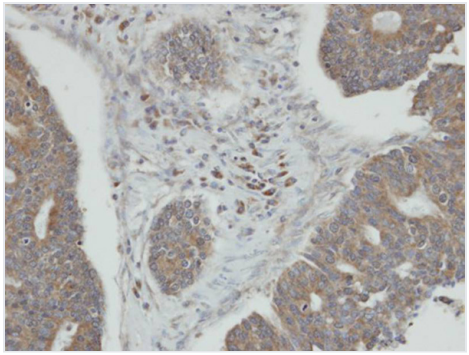
PPM1K Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPM1K, Polyclonal Antibody
Full Product Name	PPM1K antibody
Product Gene Name	anti-PPM1K antibody
Product Synonym Names	DKFZp667B084
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Purified by antigen-affinity chromatography.
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.
Molecular Weight	16,759 Da
OMIM	611065
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 334 of Human PPM1K
Target Name	PPM1K
Product Categories/Family for anti-PPM1K antibody	Total protein Ab
Applications Tested/Suitable for anti-PPM1K antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-PPM1K antibody	Western blotting: 1:500-1:3000 Immunohistochemistry: 1:100-1:250
Related Product Information for anti-PPM1K antibody	MBS9401292 is an antibody targeting PPM1K. Also known as PPM1K antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-PPM1K antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PPM1K antibody
Western Blot analysis of PPM1K expression in transfected 293T cell line by PPM1K polyclonal antibody. A: Non-transfected lysate. B: PPM1K transfected lysate. 12% SDS PAGEPrimary antibody diluted at 1: 500



Immunohistochemistry (IHC) of anti-PPM1K antibody
Immunohistochemical analysis of paraffin-embedded endo mitral OVCA, using PPM1K antibody at 1: 100 dilution.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPM1K. It may not necessarily be applicable to this product.

NCBI GI #	167466276
NCBI GeneID	152926
NCBI Accession #	NP_689755
UniProt Secondary Accession #	Q05CT5; Q49AB5; Q4W5E6; Q56AN8; Q8IUZ7; Q8IXG7; Q8ND70; Q96NT4; B2RAZ1
UniProt Related Accession #	Q8N3J5
GenBank Nucleotide #	NM_152542.4
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
UniProt Protein Name	Protein phosphatase 1K, mitochondrial
UniProt Synonym Protein Names	PP2C domain-containing protein phosphatase 1K; PP2C-like mitochondrial protein; PP2C-type mitochondrial phosphoprotein phosphatase; PTMP; Protein phosphatase 2C isoform kappa; PP2C-kappa
Protein Family	Protein phosphatase
UniProt Gene Name	PPM1K
UniProt Synonym Gene Names	PP2CM; PTMP; PP2C-kappa
UniProt Entry Name	PPM1K_HUMAN
NCBI Protein Information	protein phosphatase 1K, mitochondrial
NCBI Summary for PPM1K	This gene encodes a member of the PPM family of Mn2+/Mg2+-dependent protein phosphatases. The encoded protein, essential for cell survival and development, is targeted to the mitochondria where it plays a key role in regulation of the mitochondrial permeability transition pore. [provided by RefSeq, Sep 2012]

UniProt Comments for PPM1K	PPM1K: Regulates the mitochondrial permeability transition pore and is essential for cellular survival and development. Belongs to the PP2C family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Mitochondrial; Protein phosphatase, Ser/Thr (non-receptor); EC 3.1.3.16; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 4q22.1 Cellular Component: mitochondrial matrix Molecular Function: metal ion binding; protein serine/threonine phosphatase activity Biological Process: protein amino acid dephosphorylation Disease: Maple Syrup Urine Disease, Mild Variant
Research Articles on PPM1K	**1.** Overweight people with the C allele of the branched-chain amino acid/aromatic amino acid ratio-associated variant rs1440581 may benefit less in weight loss and improved insulin sensitivity than those without it on a energy-restricted high-fat diet.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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