PPM1K Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPM1K, Polyclonal Antibody
Full Product Name	PPM1K Antibody; HRP conjugated
Product Gene Name	anti-PPM1K antibody
Product Synonym Names	Protein phosphatase 1K; mitochondrial; PP2C domain-containing protein phosphatase 1K; PP2C-like mitochondrial protein; PP2C-type mitochondrial phosphoprotein phosphatase; PTMP; Protein phosphatase 2C isoform kappa; PP2C-kappa; PPM1K; PP2CM
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: PPM1K (MBS7004804) HRP Conjugated Antibody: PPM1K (MBS7002903)
Molecular Weight	16,759 Da
OMIM	611065
3D Structure	ModBase 3D Structure for Q8N3J5
Immunogen	Recombinant human Protein phosphatase 1K, mitochondrial protein
Conjugation	HRP
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-160683
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PPM1K antibody	ELISA (EIA)
Related Product Information for anti-PPM1K antibody	Regulates the mitochondrial permeability transition pore and is essential for cellular survival and development.
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.
Searchable Terms for PPM1K purchase	MBS7002903 is an antibody targeting PPM1K. Also known as PPM1K Antibody; HRP conjugated. Reactive in Human. Host: Rabbit.

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_689755.3
UniProt Primary Accession #	Q8N3J5
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; Motility/polarity/chemotaxis; EC 3.1.3.16; Protein phosphatase, Ser/Thr (non-receptor) Chromosomal Location of Human Ortholog: 4q22.1 Cellular Component: mitochondrial matrix; mitochondrion Molecular Function: metal ion binding; protein binding; protein serine/threonine phosphatase activity Biological Process: branched chain family amino acid catabolic 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.
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