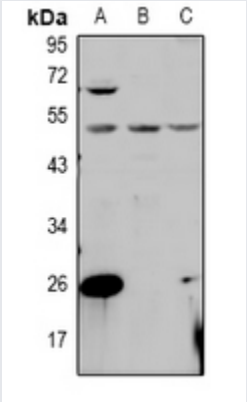
PPM1L Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPM1L, Polyclonal Antibody
Full Product Name	Anti-PPM1L Antibody
Product Gene Name	anti-PPM1L antibody
Product Synonym Names	PP2CE; Protein phosphatase 1L; Protein phosphatase 1-like; Protein phosphatase 2C isoform epsilon; PP2C-epsilon
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Monkey
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of PPM1L protein.
Preparation and Storage	Upon delivery aliquot and store at-20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	20,324 Da
3D Structure	ModBase 3D Structure for Q5SGD2
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PPM1L.
Applications Tested/Suitable for anti-PPM1L antibody	Western Blot (WB)
Application Notes for anti-PPM1L antibody	WB: 1:500-1:1000
Related Product Information for anti-PPM1L antibody	MBS8304045 is an antibody targeting PPM1L. Reactive in Human, Mouse, Monkey. Host: Rabbit. Rabbit polyclonal antibody to PPM1L
Other Notes	Small volumes of anti-PPM1L 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-PPM1L antibody
Western blot analysis of PPM1L expression in AML12 (A), H1792 (B), COS7 (C) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPM1L. It may not necessarily be applicable to this product.

NCBI GI #	961658084
NCBI GeneID	151742
NCBI Accession #	NP_001304840.1
UniProt Primary Accession #	Q5SGD2
UniProt Secondary Accession #	Q2M3J2; Q96NM7
UniProt Related Accession #	Q5SGD2
GenBank Nucleotide #	NM_001317911.1
NCBI Official Full Name	protein phosphatase 1L isoform 2
NCBI Official Synonym Full Names	protein phosphatase, Mg2+/Mn2+ dependent 1L
NCBI Official Symbol	PPM1L
NCBI Official Synonym Symbols	PP2CE; PPM1-LIKE; PP2C-epsilon
UniProt Protein Name	Protein phosphatase 1L
UniProt Synonym Protein Names	Protein phosphatase 1-like; Protein phosphatase 2C isoform epsilon; PP2C-epsilon
Protein Family	Protein phosphatase
UniProt Gene Name	PPM1L
UniProt Synonym Gene Names	PP2CE; PP2C-epsilon
NCBI Protein Information	protein phosphatase 1L
NCBI Summary for PPM1L	The protein encoded by this gene is a magnesium or manganese-requiring phosphatase that is involved in several signaling pathways. The encoded protein downregulates apoptosis signal-regulating kinase 1, a protein that initiates a signaling cascade that leads to apoptosis when cells are subjected to cytotoxic stresses. This protein also is an endoplasmic reticulum transmembrane protein that helps regulate ceramide transport from the endoplasmic reticulum to the Golgi apparatus. Finally, this gene may be involved in adiposity since it is upregulated in adipose tissues. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]
UniProt Comments for PPM1L	Acts as a suppressor of the SAPK signaling pathways by associating with and dephosphorylating MAP3K7/TAK1 and MAP3K5, and by attenuating the association between MAP3K7/TAK1 and MAP2K4 or MAP2K6.
Research Articles on PPM1L	**1.** identified ACBD3 as an interacting partner of PPM1L, and showed that this association, which recruits PPM1L to ER-Golgi membrane contact sites, is mediated by a GOLD (Golgi dynamics) domain in ACBD3
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