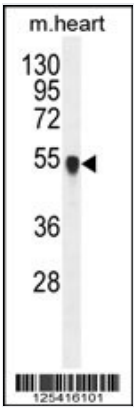
PPM1L Antibody – Rabbit Polyclonal

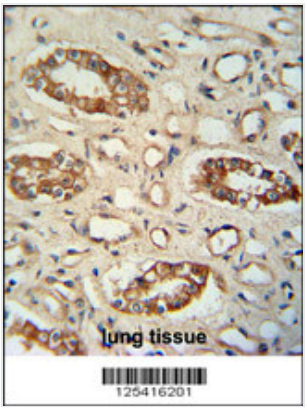
PRODUCT OVERVIEW

Product Name	PPM1L, Polyclonal Antibody
Full Product Name	PPM1L Antibody (C-term)
Product Gene Name	anti-PPM1L antibody
Product Synonym Names	Protein phosphatase 1L; Protein phosphatase 1-like; Protein phosphatase 2C isoform epsilon; PP2C-epsilon; PPM1L; PP2CE
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This PPM1L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 215-244 amino acids from the C-terminal region of human PPM1L.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PPM1L peptide (MBS9218042) is used for blocking the activity of PPM1L antibody (MBS9207162)
Molecular Weight	41053
Immunogen Sequence Positions	215-244
OMIM	611931
3D Structure	ModBase 3D Structure for Q5SGD2
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-PPM1L antibody	Cancer; Signal Transduction
Applications Tested/Suitable for anti-PPM1L antibody	Western Blot (WB), ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-PPM1L antibody	WB~~1:1000
Related Product Information for anti-PPM1L antibody	PPM1L, or PP2CE, belongs to the PP2C group of serine/threonine phosphatases, which are distinguished from other phosphatases by their structure, absolute requirement for Mg(2+) or Mn(2+), and insensitivity to okadaic acid. PP2Cs regulate stress-activated protein kinase (SAPK; see MIM 601158) signaling cascades that respond to extracellular stimuli (Jin et al., 2004 [PubMed 15560375]).

Product References and Citations for anti-PPM1L antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Thean, L.F., et al. Genes Chromosomes Cancer 49(2):99-106(2010) Trynka, G., et al. Gut 58(8):1078-1083(2009) Saito, S., et al. J. Biol. Chem. 283(10):6584-6593(2008) Saito, J., et al. Biochem. J. 405(3):591-596(2007)
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.
Searchable Terms for PPM1L purchase	MBS9207162 is an antibody targeting PPM1L. Also known as PPM1L Antibody (C-term). Reactive in Human, mouse (Predicted Reactivity: Bovine). Host: Rabbit.



Western Blot (WB) of anti-PPM1L antibody
PPM1L Antibody (C-term) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the PPM1L antibody detected the PPM1L protein (arrow).



Immunohistochemistry (IHC) of anti-PPM1L antibody
PPM1L antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PPM1L antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

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

NCBI GI #	63003905
NCBI GeneID	151742
NCBI Accession #	NP_640338.2
UniProt Primary Accession #	Q5SGD2
UniProt Secondary Accession #	Q2M3J2; Q96NM7
UniProt Related Accession #	Q5SGD2
GenBank Nucleotide #	NM_139245.2
NCBI Official Full Name	protein phosphatase 1L
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

UniProt Entry Name	PPM1L_HUMAN
NCBI Protein Information	protein phosphatase 1L
NCBI Summary for PPM1L	PPM1L, or PP2CE, belongs to the PP2C group of serine/threonine phosphatases, which are distinguished from other phosphatases by their structure, absolute requirement for Mg(2+) or Mn(2+), and insensitivity to okadaic acid. PP2Cs regulate stress-activated protein kinase (SAPK; see MIM 601158) signaling cascades that respond to extracellular stimuli (Jin et al., 2004 [PubMed 15560375]).[supplied by OMIM, Apr 2008]
UniProt Comments for PPM1L	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. Belongs to the PP2C family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Motility/polarity/chemotaxis; EC 3.1.3.16; Protein phosphatase, Ser/Thr (non-receptor) Chromosomal Location of Human Ortholog: 3q26.1 Cellular Component: endoplasmic reticulum membrane; integral to membrane Molecular Function: metal ion binding; protein serine/threonine phosphatase activity Biological Process: sphingolipid metabolic process; sphingolipid biosynthetic process; transmembrane receptor protein serine/threonine kinase signaling pathway; MAPKKK cascade; protein amino acid dephosphorylation
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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