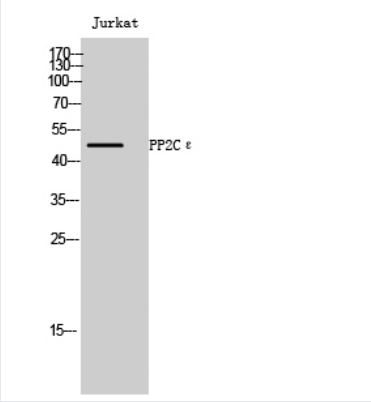
PP2Cepsilon Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PP2Cepsilon, Polyclonal Antibody
Full Product Name	PP2Cepsilon Polyclonal Antibody
Product Gene Name	anti-PP2Cepsilon antibody
Product Synonym Gene Name	PPM1L
Product Synonym Names	PPM1L; PP2CE; Protein phosphatase 1L; Protein phosphatase 1-like; Protein phosphatase 2C isoform epsilon; PP2C-epsilon
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	41,053 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (160473996..160788817). Location: 3q26.1
OMIM	611931
3D Structure	ModBase 3D Structure for Q5SGD2
Applications Tested/Suitable for anti-PP2Cepsilon antibody	Western Blot (WB)
Related Product Information for anti-PP2Cepsilon antibody	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.
Other Notes	Small volumes of anti-PP2Cepsilon 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 PP2Cepsilon purchase	MBS9244942 is an antibody targeting PP2Cepsilon. Also known as PP2Cepsilon Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Wester Blot (WB) of anti-PP2Cepsilon antibody
Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PP2Cepsilon. 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
UniProt Gene Name	PPM1L
UniProt Synonym Gene Names	PP2CE; PP2C-epsilon
UniProt Entry Name	PPM1L_HUMAN
NCBI Protein Information	protein phosphatase 1L; PP2C epsilon; Protein phosphatase 2C epsilon isoform; protein phosphatase 2C isoform epsilon
NCBI Summary for PP2Cepsilon	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 PP2Cepsilon	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: Motility/polarity/chemotaxis; Membrane protein, integral; Protein phosphatase, Ser/Thr (non-receptor); EC 3.1.3.16 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 PP2Cepsilon	**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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