



PP2Cε Polyclonal Antibody

Catalog No	YP-Ab-14952
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC
Gene Name	PPM1L
Immunogen	The antiserum was produced against synthesized peptide derived from human PPM1L. AA range:119-168
Specificity	PP2Cε Polyclonal Antibody detects endogenous levels of PP2Cε protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PP2C epsilon;PP2CE;PPM1 LIKE;PPM1L;Protein phosphatase 1 like;Protein phosphatase 1L;PP2Cε;Protein phosphatase 1-like;Protein phosphatase 2C isoform epsilon;PP2C-epsilon
Observed Band	42kD
Calculated Molecular Weight	42kD
Cell Pathway	Membrane ; Single-pass type I membrane protein .
Tissue Specificity	Ubiquitous. Highly expressed in heart, placenta, lung, liver, kidney and pancreas.
Function	catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate., cofactor:Binds 2 magnesium or manganese ions per subunit.,function: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., similarity:Belongs to the PP2C family.,similarity:Contains 1 PP2C-like domain., subunit:Interacts with MAP3K7/TAK1 (By similarity). Interacts with MAP3K5., tissue specificity:Ubiquitous. Highly expressed in heart, placenta, lung, liver, kidney and pancreas.,



Background

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],

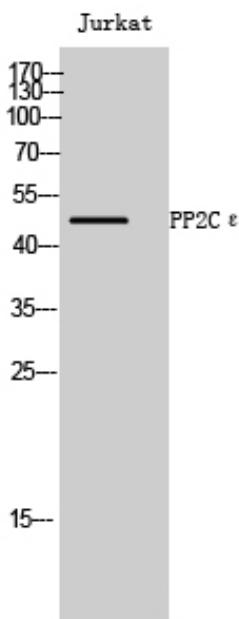
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

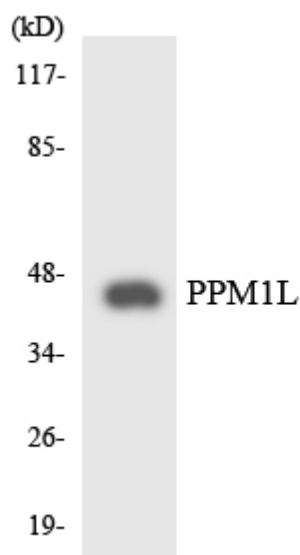
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

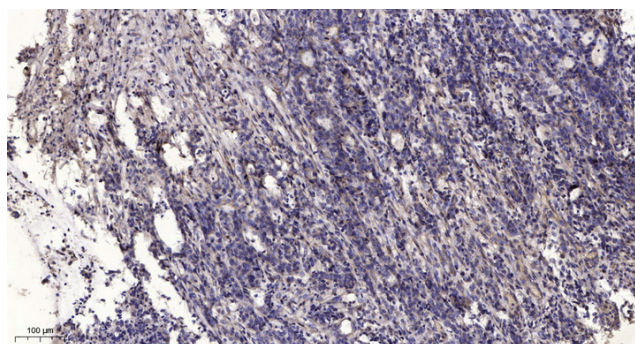


Western Blot analysis of Jurkat cells using PP2Cε Polyclonal Antibody

Western blot analysis of lysates from Jurkat cells, using PPM1L Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using PPM1L antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).