

PP2C κ Polyclonal Antibody

Catalog No :	YT3832
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	PP2C κ
Gene Name :	PPM1K
Protein Name :	Protein phosphatase 1K mitochondrial
Human Gene Id :	152926
Human Swiss Prot No :	Q8N3J5
Mouse Swiss Prot No :	Q8BXN7
Immunogen :	The antiserum was produced against synthesized peptide derived from human PPM1K. AA range:205-254
Specificity :	PP2C κ Polyclonal Antibody detects endogenous levels of PP2C κ protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	45kD

Background : 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],

Function : catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,caution:Ref.9 has crystallized PPM1K in the presence of magnesium ions. However, PubMed:17336929 reported that no activity toward p-nitrophenylphosphate was seen in the absence of manganese ions and magnesium could not substitute for manganese.,cofactor:Binds 1 magnesium or manganese ion per subunit.,function:Regulates the mitochondrial permeability transition pore and is essential for cellular survival and development.,similarity:Belongs to the PP2C family.,similarity:Contains 1 PP2C-like domain.,

Subcellular Location : Mitochondrion matrix .

Expression : Amygdala,Cerebellum,Lymph node,Pancreas,Testis,

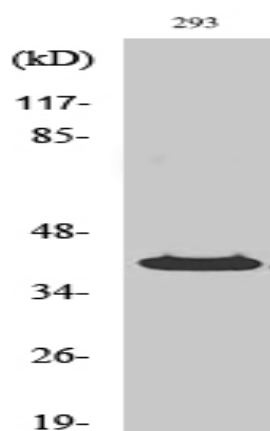
Sort : 12933

No4 : 1

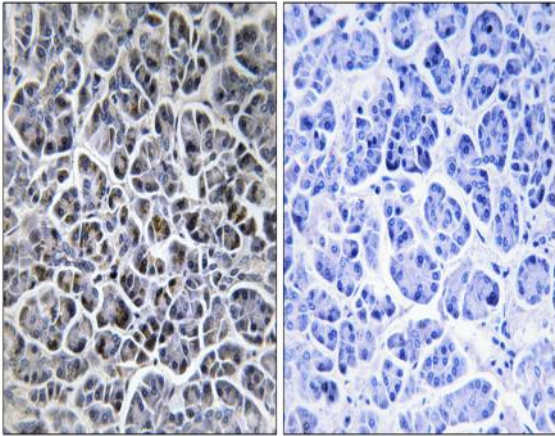
Host : Rabbit

Modifications : Unmodified

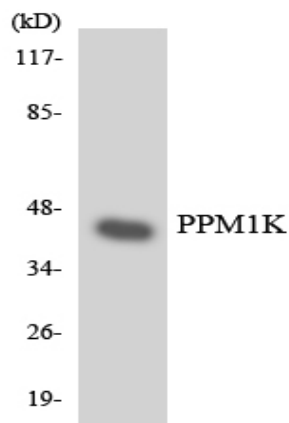
Products Images



Western Blot analysis of various cells using PP2C κ Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human pancreas tissue, using PPM1K Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using PPM1K antibody.