

MIPP Polyclonal Antibody

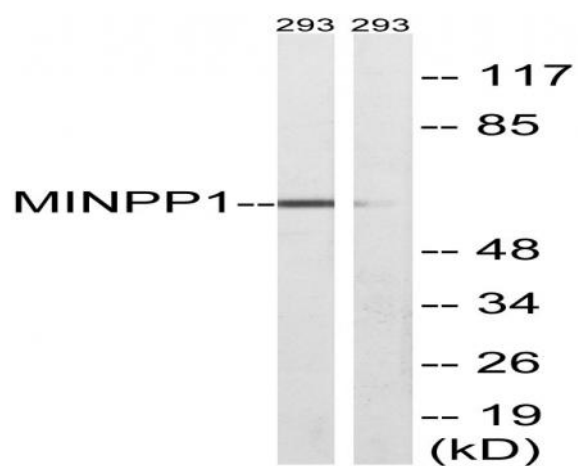
Catalog No :	YT2767
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	MIPP
Fields :	>>Glycolysis / Gluconeogenesis;>>Inositol phosphate metabolism;>>Metabolic pathways
Gene Name :	MINPP1
Protein Name :	Multiple inositol polyphosphate phosphatase 1
Human Gene Id :	9562
Human Swiss Prot No :	Q9UNW1
Mouse Gene Id :	17330
Mouse Swiss Prot No :	Q9Z2L6
Rat Gene Id :	29688
Rat Swiss Prot No :	O35217
Immunogen :	The antiserum was produced against synthesized peptide derived from human MINPP1. AA range:328-377
Specificity :	MIPP Polyclonal Antibody detects endogenous levels of MIPP 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: 1:10000.. 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 :	60kD
Cell Pathway :	Inositol phosphate metabolism;
Background :	This gene encodes multiple inositol polyphosphate phosphatase; an enzyme that removes 3-phosphate from inositol phosphate substrates. It is the only enzyme known to hydrolyze inositol pentakisphosphate and inositol hexakisphosphate. This enzyme also converts 2,3 bisphosphoglycerate (2,3-BPG) to 2-phosphoglycerate; an activity formerly thought to be exclusive to 2,3-BPG synthase/2-phosphatase (BPGM) in the Rapoport-Luebering shunt of the glycolytic pathway.[provided by RefSeq, Sep 2009],
Function :	catalytic activity:Myo-inositol hexakisphosphate + H(2)O = myo-inositol pentakisphosphate (mixed isomers) + phosphate.,disease:Defects in MINPP1 may be involved in follicular thyroid tumors development.,function:Acts as a phosphoinositide 5- and phosphoinositide 6-phosphatase and regulates cellular levels of inositol pentakisphosphate (InsP5) and inositol hexakisphosphate (InsP6) (By similarity). May play a role in bone development (endochondral ossification).,tissue specificity:Widely expressed with highest levels in kidney, liver and placenta.,
Subcellular Location :	Endoplasmic reticulum lumen .
Expression :	Widely expressed with highest levels in kidney, liver and placenta.
Sort :	9652
No4 :	1

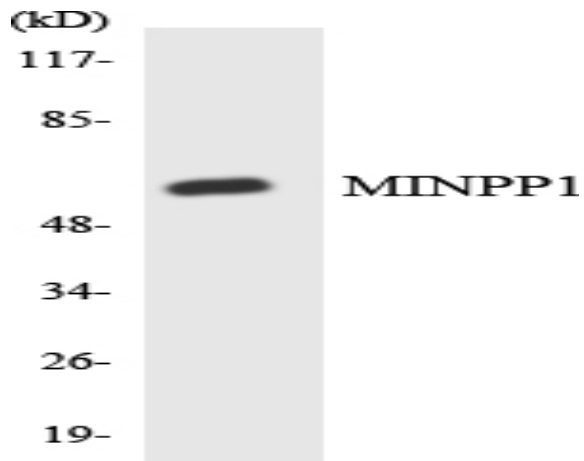
Products Images



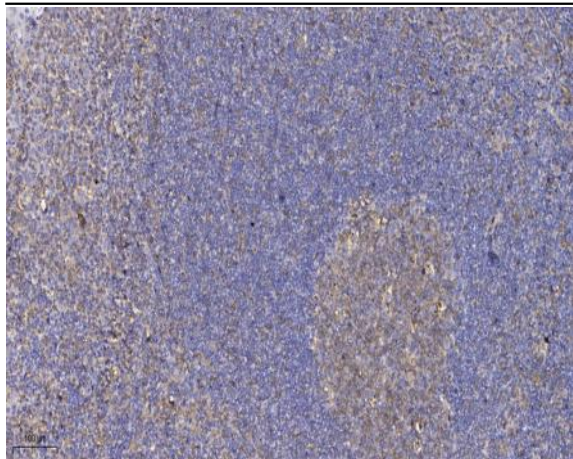
Western Blot analysis of various cells using MIPP Polyclonal Antibody



Western blot analysis of lysates from 293 cells, using MINPP1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using MINPP1 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 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, 30min).