



MIPP Polyclonal Antibody

Catalog No	BYab-03960
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	MINPP1
Protein Name	Multiple inositol polyphosphate phosphatase 1
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MINPP1; MIPP; Multiple inositol polyphosphate phosphatase 1; 2; 3-bisphosphoglycerate 3-phosphatase; 2,3-BPG phosphatase; Inositol; 1,3,4,5)-tetrakisphosphate 3-phosphatase; Ins(1,3,4,5)P(4) 3-phosphatase
Observed Band	60kD
Cell Pathway	Endoplasmic reticulum lumen .
Tissue Specificity	Widely expressed with highest levels in kidney, liver and placenta.
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.,

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**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],

matters needing attention

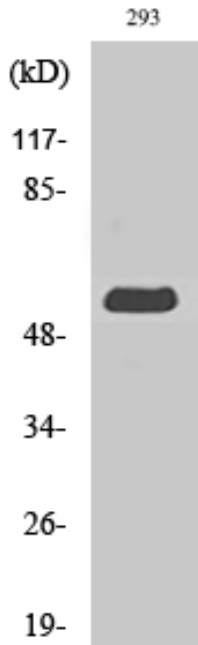
Avoid repeated freezing and thawing!

Usage suggestions

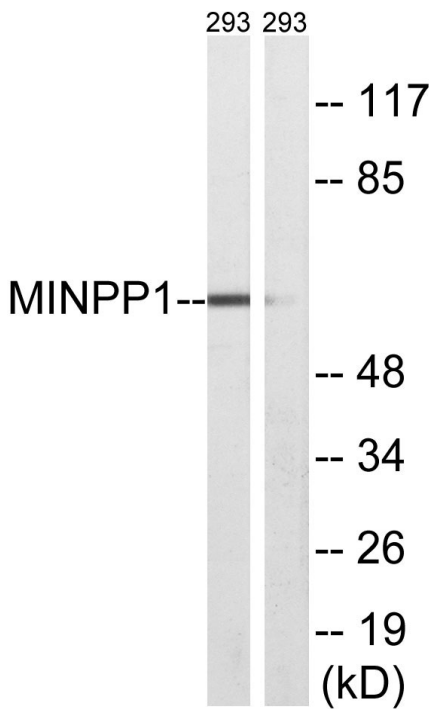
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



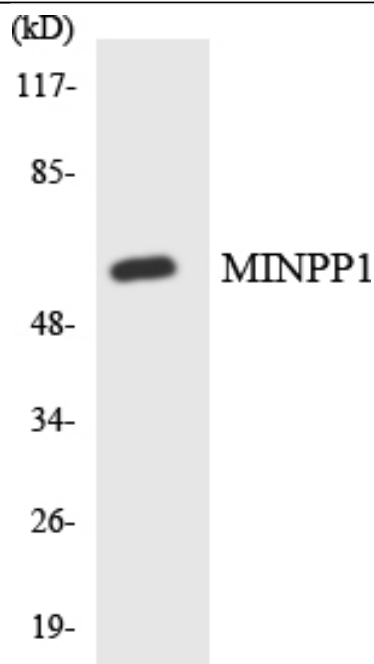
Products Images



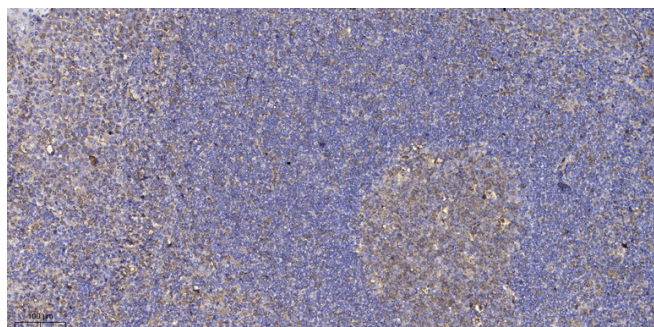
Western Blot analysis of various cells using MIPP Polyclonal Antibody



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).