

Rabbit MINPP1 Polyclonal Antibody | anti-MINPP1 antibody

MINPP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324854	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

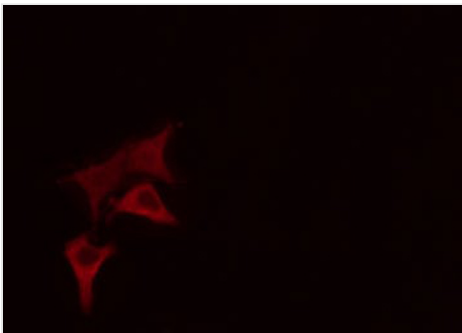
PRODUCT SYNONYMS

MINPP1; Polyclonal Antibody; MINPP1 Antibody; 3; 4; 5)-tetrakisphosphate 3-phosphatase; 5)P(4) 3-phosphatase; DKFZp564L2016; HIPER1; Inositol (1; inositol (1; Ins(1; ins(1; MINP1_HUMAN; Minpp1; MINPP2; MIPP; Multiple inositol polyphosphate histidine phosphatase; 1; Multiple inositol polyphosphate phosphatase 1; multiple inositol polyphosphate phosphatase 2; anti-MINPP1 antibody

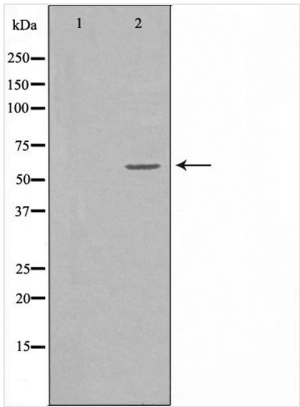
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MINPP1 antibody detects endogenous levels of total MINPP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	312
Applicable Applications for anti-MINPP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Lumen.
Tissue Specificity	Widely expressed with highest levels in kidney, liver and placenta.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (82%), Bovine (89%), Horse (100%), Sheep (82%), Rabbit (100%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324854 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from 293 cells, using MINPP1 antibody., The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MINPP1 antibody	Function: Acts as a phosphoinositide 5-and phosphoinositide 6-phosphatase and regulates cellular levels of inositol pentakisphosphate (InsP5) and inositol hexakisphosphate (InsP6). Also acts as a 2, 3-bisphosphoglycerate 3-phosphatase, by mediating the dephosphorylation of 2, 3-bisphosphoglycerate (2, 3-BPG) to produce phospho-D-glycerate without formation of 3-phosphoglycerate. May play a role in bone development (endochondral ossification). May play a role in the transition of chondrocytes from proliferation to hypertrophy (By similarity). Similarity: Belongs to the histidine acid phosphatase family. MINPP1 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296010986
NCBI GeneID	9562
NCBI Accession #	NP_001171588.1
NCBI GenBank Nucleotide #	NM_001178117.1
UniProt Accession #	Q9UNW1; O95172; O95286; Q59EJ2; Q9UGA3; F5H683
Molecular Weight	Observed: 60 kD Predicted: 56 kDa
NCBI Official Full Name	multiple inositol polyphosphate phosphatase 1 isoform 2
NCBI Official Synonym Full Names	multiple inositol-polyphosphate phosphatase 1
NCBI Official Symbol	MINPP1
NCBI Official Synonym Symbols	MIPP; HIPER1; MINPP2
NCBI Protein Information	multiple inositol polyphosphate phosphatase 1
UniProt Protein Name	Multiple inositol polyphosphate phosphatase 1
UniProt Gene Name	MINPP1
UniProt Synonym Gene Names	MIPP; 2,3-BPG phosphatase1 PublicationManual assertion based on opinion iniRef.12; Ins(1,3,4,5)P(4) 3-phosphatase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.