

Rabbit PRPS1 Polyclonal Antibody | anti-PRPS1 antibody

Phospho-PRPS1 (Ser180) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329971	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)	ELISA, Immunohistochemistry, Western Blot

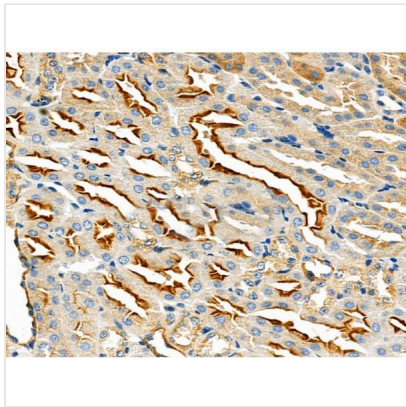
PRODUCT SYNONYMS

PRPS1; Polyclonal Antibody; Phospho-PRPS1 (Ser180) Antibody; ARTS; CMTX5; Deafness 2 perceptive congenital; Deafness X linked 2 perceptive congenital; DFN2; DFNX1; EC 2.7.6.1; KIAA0967; Phosphoribosyl pyrophosphate synthase I; Phosphoribosyl pyrophosphate synthetase I; PPRibP; Prps1; PRPS1_HUMAN; PRS I; PRS-I; PRSI; Ribose phosphate pyrophosphokinase I; Ribose-phosphate pyrophosphokinase 1; anti-PRPS1 antibody

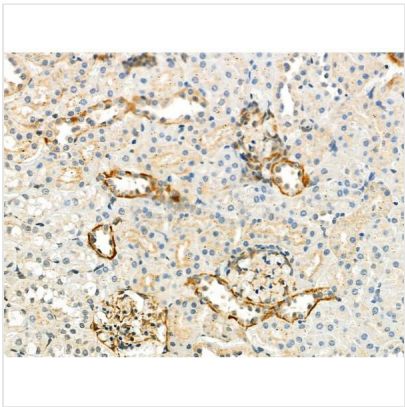
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-PRPS1 (Ser180) Antibody detects endogenous levels of PRPS1 only when phosphorylated at S180.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PRPS1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PRPS1 around the phosphorylation site of S180.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Homodimer. The active form is probably a hexamer composed of 3 homodimers.
Similarity	Belongs to the ribose-phosphate pyrophosphokinase family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

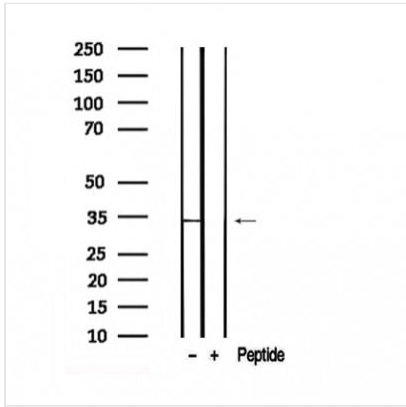
IMAGES



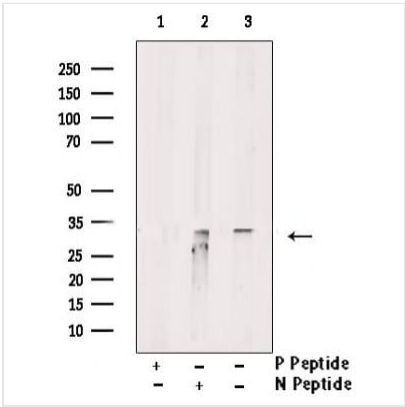
IHC (Immunohistochemistry)
At 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Hela, using Phospho-PRPS1(S180) Antibody.



WB (Western Blot)
Western blot analysis of extracts from Hela cells, using Phospho-PRPS1(Ser180) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PRPS1 antibody	Catalyzes the synthesis of phosphoribosylpyrophosphate (PRPP) that is essential for nucleotide synthesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	324711015
NCBI GeneID	5631
NCBI Accession #	NP_001191331.1
NCBI GenBank Nucleotide #	NM_001204402.1
UniProt Accession #	P60891; P09329; B1ALA8; B2R6T7; B4DNL6; D3DUX6
Molecular Weight	27,526 Da
NCBI Official Full Name	ribose-phosphate pyrophosphokinase 1 isoform 2
NCBI Official Synonym Full Names	phosphoribosyl pyrophosphate synthetase 1
NCBI Official Symbol	PRPS1

NCBI Official Synonym Symbols	ARTS; DFN2; PRSI; CMTX5; DFNX1; PRS-I; PPRibP
NCBI Protein Information	ribose-phosphate pyrophosphokinase 1; dJ1070B1.2 (phosphoribosyl pyrophosphate synthetase 1); deafness 2, perceptive, congenital; deafness, X-linked 2, perceptive, congenital; phosphoribosyl pyrophosphate synthase I; ribose-phosphate diphosphokinase 1
UniProt Protein Name	Ribose-phosphate pyrophosphokinase 1
UniProt Gene Name	PRPS1
UniProt Synonym Gene Names	PRS-I
UniProt Entry Name	PRPS1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prps1-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329971>