

Rabbit PRPS1/2/1L1 Polyclonal Antibody | anti-PRPS1/2/1L1 antibody

PRPS1/2/1L1 Antibody

CATALOG # AAA302236	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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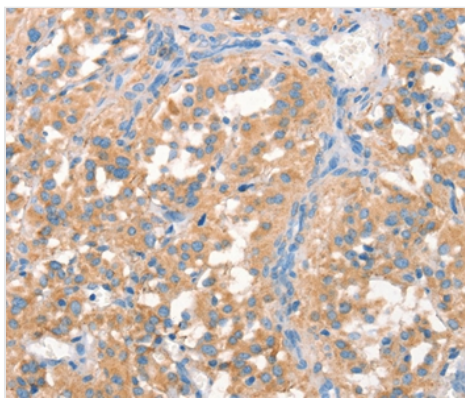
PRODUCT SYNONYMS

PRPS1/2/1L1; Polyclonal Antibody; PRPS1/2/1L1 Antibody; ARTS; DFN2; PRSI; CMTX5; DFNX1; PRS-I; PPRibP/PRSI/PRPS1; PRPS3; PRPSL; PRS-III; anti-PRPS1/2/1L1 antibody

PRODUCT SPECIFICATIONS

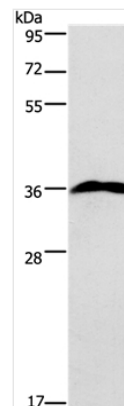
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total PRPS1/2/1L1 protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Concentration	3 mg/ml (varies by lot)
Sequence Length	114
Applicable Applications for anti-PRPS1/2/1L1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human phosphoribosyl pyrophosphate synthetase 1/2/1-like 1
Target Name	PRPS1-2-1L1
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/50.



Application Data

Gel: 8%SDS-PAGE Lysate: 40ug 293T cell Primary antibody: 1/750 dilution Secondary antibody dilution: 1/8000 Exposure time: 2 minutes

ADDITIONAL INFORMATION

Related Product Information for anti-PRPS1/2/1L1 antibody	PRPS (phosphoribosyl pyrophosphate synthetase) proteins catalyze the synthesis of phosphoribosyl pyrophosphate (PRPP). Three human PRPS isoforms exist and are encoded by three different genes. PRPS1 and PRPS2 (also known as PRS1 and PRS2, respectively) are ubiquitously expressed, while PRPS3 (also known as PRPS1L1) is specific to the testis. PRPP is an important substrate synthesized from MgATP and ribose-5-phosphate in a reaction that requires inorganic phosphate and magnesium as a cofactor. PRPP is essential in the synthesis of nearly all nucleotides, implying that PRPS1/2 play an important role in nucleotide biosynthesis and purine metabolism. A mutation in the gene encoding PRPS1 may result in PRPS superactivity, a disease characterized by gout and the overproduction of purine nucleotides, uric acid and PRPP. PRPS1 mutations can also lead to a reduction in PRPS1 activity resulting in ARTS syndrome or CMTX5 (Charcot-Marie-Tooth disease X-linked recessive type 5).
Product Categories/Family for anti-PRPS1/2/1L1 antibody	Total protein Ab

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
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/prps1-2-1l1-antibody-immunohistochemistry-western-blot-elisa/302236>