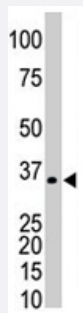


PRPS1/PRPS2/PRPS3 polyclonal antibody

Catalog # PAB30838

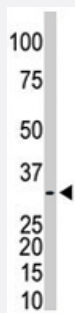
Size 400 uL

Applications



Western Blot (Tissue lysate)

Western Blot (Tissue lysate) analysis of mouse kidney tissue lysate with PRPS1/PRPS2/PRPS3 polyclonal antibody (Cat # PAB30838).



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of HeLa cell lysate with PRPS1/PRPS2/PRPS3 polyclonal antibody (Cat # PAB30838).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PRPS1/2/3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PRPS1/2/3.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Saturated Ammonium Sulfate precipitation

Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot (Tissue lysate) analysis of mouse kidney tissue lysate with PRPS1/PRPS2/PRPS3 polyclonal antibody (Cat # PAB30838).

- Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of HeLa cell lysate with PRPS1/PRPS2/PRPS3 polyclonal antibody (Cat # PAB30838).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PRPS1

Entrez GeneID	5631
Protein Accession#	P60891
Gene Name	PRPS1
Gene Alias	ARTS, CMTX5, KIAA0967, PPRibP, PRSI
Gene Description	phosphoribosyl pyrophosphate synthetase 1
Omim ID	300661 301835 311070 311850
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme that catalyzes the phosphoribosylation of ribose 5-phosphate to 5-phosphoribosyl-1-pyrophosphate, which is necessary for purine metabolism and nucleotide biosynthesis. Defects in this gene are a cause of phosphoribosylpyrophosphate synthetase superactivity, Charcot-Marie-Tooth disease X-linked recessive type 5 and Arts Syndrome. [provided by RefSeq]
Other Designations	OTTHUMP00000023807 dJ1070B1.2 (phosphoribosyl pyrophosphate synthetase 1)

Gene Info — PRPS2

Entrez GeneID	5634
Protein Accession#	P60891
Gene Name	PRPS2
Gene Alias	PRSII
Gene Description	phosphoribosyl pyrophosphate synthetase 2
Omim ID	311860
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000022921 PPRibP synthetase PRS II

Gene Info — PRPS1L1

Entrez GeneID	221823
Protein Accession#	P60891
Gene Name	PRPS1L1
Gene Alias	PRPS1, PRPS3, PRPSL, PRS-III
Gene Description	phosphoribosyl pyrophosphate synthetase 1-like 1
Omim ID	611566
Gene Ontology	Hyperlink
Gene Summary	This intronless gene is specifically expressed in the testis, and encodes a protein that is highly homologous to the two subunits of phosphoribosylpyrophosphate synthetase encoded by human X-linked genes, PRPS1 and PRPS2. These enzymes convert pyrimidine, purine or pyridine bases to the corresponding ribonucleoside monophosphates. In vitro transcription/translation and site-directed mutagenesis studies indicate that translation of this mRNA initiates exclusively at a non-AUG (ACG) codon. [provided by RefSeq]
Other Designations	phosphoribosylpyrophosphate synthetase subunit III ribose-phosphate diphosphokinase catalytic chain III ribose-phosphate pyrophosphokinase III

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of plant hormones](#)
- [Metabolic pathways](#)
- [Metabolic pathways](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)
- [Pentose phosphate pathway](#)
- [Pentose phosphate pathway](#)
- [Purine metabolism](#)
- [Purine metabolism](#)
- [Purine metabolism](#)