

DNAXPab

Hard-to-Find
Antibody

PRPS1 DNAXPab

Catalog # H00005631-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PRPS1 DNA using DNAX™ Immune technology.

Technology [DNAX™ Immune](#)

Immunogen Full-length human DNA

Sequence MPNIKIFSGSSHQDLSQKIADRLGLELGKVVTKKFSNQETCVEIGESVRGEDVYVQSGCGEINDNL
MELLIMINACKIASASRVTAVIPCFPYARQDKKDKSRAPISAKLVANMLSVAGADHIITMDLHASQIQ
GFFDIPVDNLYAEPVAVLKWIRENISEWRNCTIVSPDAGGAKRVTSIADRLNVDFAIHKERKKANEV
DRMVLVGDKDRVAILVDDMADTCGTICHAADKLLSAGATRVYAILTHGIFSGPAISRINNACFEAV
VVTNTIPQEDKMKHCSKIQVIDISMILAEAIRRTHNGESVSYLFSHVPL

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PRPS1

Entrez GeneID	5631
GeneBank Accession#	NM_002764.2
Protein Accession#	NP_002755.1
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)

Pathway

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