

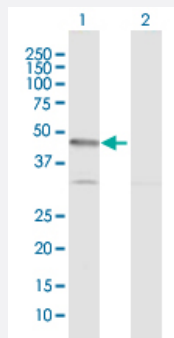
MaxPab®

SHPK purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00023729-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CARKL expression in transfected 293T cell line ([H00023729-T01](#)) by CARKL MaxPab polyclonal antibody.

Lane 1: CARKL transfected lysate(51.50 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human SHPK protein.

Immunogen

SHPK (NP_037408.2, 1 a.a. ~ 478 a.a) full-length human protein.

Sequence

MAARPITLGIDLGTTSVKAALLRAAPDDPSGFAVLASCARAARAEAAVESAVAGPQGREQDVSRI
LQALHECLAALPRPQLRSVVGIGVSGQMhGVVFWKTGQGCEWTEGGITPVFEPRAVSHLVTWQ
DGRCSSEFLASLPQPKSHLSVATGFGCATIFWLLKYRPEFLKSYDAAGTIHDYVAVMLCGLPRPL
MSDQNAASWGYFNTQSQSWNVETLRSSGFPVHLLPDIAEPGSVAGRTSHMWFEIPKGTQVGVA
LGDLQASVYSCMAQRDVAVLNISTSVQLAASMPSGFQPAQTPDPTAPVAYFPYFNRTYLGVAASL
NGGNVLATFVHMLVQWMADLGLVEEESTVYSRMIAAAVQQRDTHLTITPTVLGERHLPDQLASVT
RISSDLSLGHVTRALCRGIVQNLHSMLEPIQQLQEWGVERVMGSGSALSARNVDVLKQEVQRAFPLP
MSFGQDVDAAVGAALVMLRRHLNQKES

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (87); Rat (86)

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.

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[Protocol Download](#)

Gene Info — SHPK

Entrez GeneID[23729](#)**GeneBank Accession#**[NM_013276.2](#)**Protein Accession#**[NP_037408.2](#)**Gene Name**

SHPK

Gene Alias

CARKL, FLJ32478, SHK

Gene Description

sedoheptulokinase

Omim ID[605060](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene has weak homology to several carbohydrate kinases, a class of proteins involved in the phosphorylation of sugars as they enter a cell, inhibiting return across the cell membrane. Sequence variation between this novel gene and known carbohydrate kinases suggests the possibility of a different substrate, cofactor or changes in kinetic properties distinguishing it from other carbohydrate kinases. The gene resides in a region commonly deleted in cystinosis patients, suggesting a role as a modifier for the cystinosis phenotype. The genomic region is also rich in Alu repetitive sequences, frequently involved in chromosomal rearrangements. [provided by RefSeq]

Other Designations

carbohydrate kinase-like

Pathway

- [Carbon fixation in photosynthetic organisms](#)

Disease

- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)