

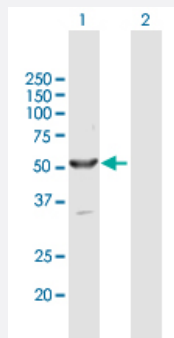
MaxPab®

SHPK MaxPab rabbit polyclonal antibody (D01)

Catalog # H00023729-D01

Size 100 uL

Applications

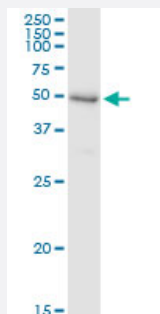


Western Blot (Transfected lysate)

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

Lane 1: SHPK transfected lysate(51.5 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of SHPK transfected lysate using anti-SHPK MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with SHPK purified MaxPab mouse polyclonal antibody (B01P) ([H00023729-B01P](#)).

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
LQALHECLAALPRPQLRSVVGIGVSGQMHGCVFWKTGQGCEWTEGGITPVFEPRAVSHLVTWQ
DGRCSSEFLASLPQPKSHLSVATGFGCATIFWLLKYRPEFLKSYDAAGTIHDYVAMLCGLPRPL
MSDQNAASWGYFNTQSQSWNVETLRSSGFPVHLLPDIAEPGSVAGRTSHMWFEIPKGTQVGVA
LGD LQASVYSCMAQRTDAVLNISTSVQLAASMPSGFQPAQTPDPTAPVAYFPYFNRTYLGVAASL
NGGNVLATFVHMLVQWMADL GLEVEESTVYSRMIQAAVQQRDTHLTITPTVLGERHLPDQLASVT
RISSDLSLGHVTRALCRGIVQNLHSM LPIQQLQE WGVVERVMGSGSALS RNDVLKQEVQRAFPLP
MSFGQDVDAAVGAALVMLRRHLNQKES

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (86)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunoprecipitation

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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](#)