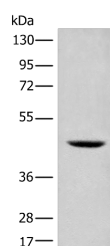


## SHPK Polyclonal Antibody

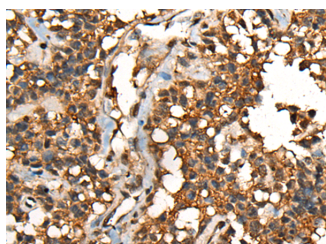
<b>Catalog No.</b>	E-AB-52517	<b>Reactivity</b>	H,M
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC,ELISA	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Western blot analysis of 293T cell lysate using SHPK Polyclonal Antibody at dilution of 1:500



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using SHPK Polyclonal Antibody at dilution of 1:45(x200)

### Immunogen Information

<b>Immunogen</b>	Fusion protein of human SHPK
<b>Gene Accession</b>	BC020543
<b>Swissprot</b>	Q9UHI6
<b>Synonyms</b>	Carbohydrate kinase like, Carbohydrate kinase like protein, Carbohydrate kinase-like protein, CARKL, Sedoheptulokinase, SHK, Shpk, SHPK

### Product Information

<b>Calculated MW</b>	51 kDa
<b>Observed MW</b>	Refer to figures
<b>Buffer</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol, pH7.4
<b>Purify</b>	Antigen affinity purification
<b>Dilution</b>	WB 1:500-1:2000, IHC 1:40-1:200, ELISA 1:5000-1:10000

### Background

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.

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Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.