

## SHPK Polyclonal Antibody

**Catalog No.** E-AB-30741

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

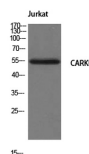
### Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human,Mouse,Rat  |
| <b>Immunogen</b>    | Synthesized peptide derived from the N-terminal region of human CARKL        |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Affinity purification  |
| <b>Buffer</b>       | PBS with 0.02% sodium azide,0.5% protective protein and 50% glycerol pH 7.4. |

### Applications Recommended Dilution

|              |              |
|--------------|--------------|
| <b>WB</b>    | 1:500-1:2000 |
| <b>IHC</b>   | 1:100-1:300  |
| <b>ELISA</b> | 1:20000      |

### Data



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Western Blot analysis of Jurkat cells with SHPK  
Polyclonal Antibody  
**Observed Mw:55kDa**  
**Calculated Mw:52kDa**

### Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

### 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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