

CARKL Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01173
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CARKL. AA range:31-80
Mol wt	51504
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	CARKL Antibody
Synonyms	SHPK; CARKL; Sedoheptulokinase; SHK; Carbohydrate kinase-like protein

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The sedoheptulokinase encoded by SHPK 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.

Recommended Dilution

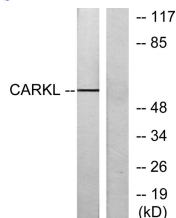
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

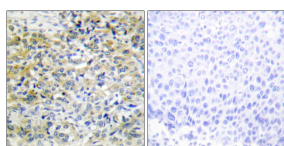
ELISA: 1: 20000

Not yet tested in other applications.

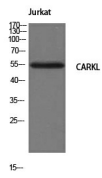
Images



Western blot analysis of lysates from Jurkat cells, using CARKL Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using CARKL Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of Jurkat cells using CARKL Polyclonal Antibody

Storage

-20°C for one year

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