

Product datasheet for TA503210

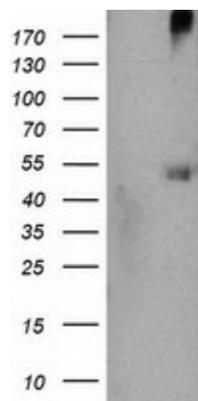
CARKL (SHPK) Mouse Monoclonal Antibody [Clone ID: OTI3D7]

Product data:

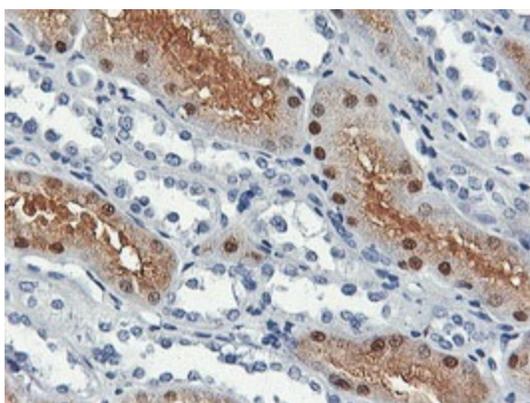
Product Type:	Primary Antibodies
Clone Name:	OTI3D7
Applications:	IF, IHC, WB
Recommend Dilution:	WB 1:500, IHC 1:150, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SHPK(NP_037408) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	51.3 kDa
Gene Name:	sedoheptulokinase
Database Link:	NP_037408 Entrez Gene 23729 Human
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. [provided by RefSeq]. COMPLETENESS: complete on the 3' end.
Synonyms:	CARKL; SHK
Protein Families:	Druggable Genome



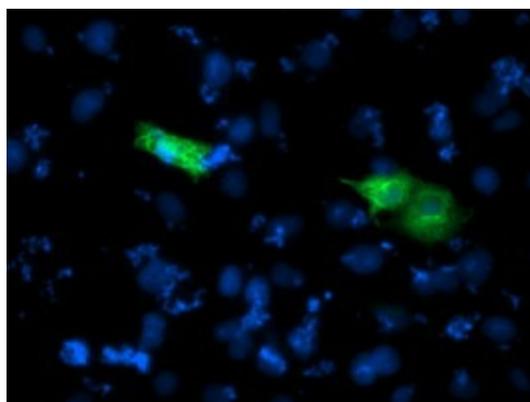
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Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SHPK ([RC204421], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SHPK. Positive lysates [LY415695] (100ug) and [LC415695] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SHPK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503210)



Anti-SHPK mouse monoclonal antibody (TA503210) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SHPK ([RC204421]).