

Rabbit CARKL Polyclonal Antibody | anti-CARKL antibody

CARKL Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324160	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CARKL; Polyclonal Antibody; CARKL Antibody; Carbohydrate kinase like; Carbohydrate kinase like protein; Carbohydrate kinase-like protein; Sedoheptulokinase; SHK; Shpk; SHPK_HUMAN; anti-CARKL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CARKL antibody detects endogenous levels of total CARKL
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	478
Applicable Applications for anti-CARKL antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm.
Tissue Specificity	Strongly expressed in liver, kidney and pancreas. Expressed at lower levels in placenta and heart. Very weakly expressed in lung and brain.
Predicted Cross Reactivity	Pig, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Sheep (89%), Rabbit (100%), Dog (89%), Xenopus (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA324160 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using CARKL antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324160 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CARKL antibody	Function: Acts as a modulator of macrophage activation through control of glucose metabolism. Similarity: Belongs to the FGGY kinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74315356
NCBI GeneID	23729
NCBI Accession #	NP_037408.2
NCBI GenBank Nucleotide #	NM_013276.2
UniProt Accession #	Q9UHH6; Q8WUH3; B2R640
Molecular Weight	Observed: 55 kD Predicted: 52 kDa
NCBI Official Full Name	sedoheptulokinase
NCBI Official Synonym Full Names	sedoheptulokinase
NCBI Official Symbol	SHPK
NCBI Official Synonym Symbols	SHK; CARKL
NCBI Protein Information	sedoheptulokinase
UniProt Protein Name	Sedoheptulokinase
UniProt Gene Name	SHPK
UniProt Synonym Gene Names	CARKL; SHK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/carkl-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324160>