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Datasheet for ABIN1395420

anti-SHC2 antibody (AA 161-270) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	SHC2
Binding Specificity:	AA 161-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHC2 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SHC2/Sck
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep
Purification:	Purified by Protein A.

Target Details

Target:	SHC2
Alternative Name:	SHC2/Sck (SHC2 Products)
Background:	Synonyms: Protein Sck, SCK, SH2 domain protein C2, SHC transforming protein 2, SHCB, Src

Target Details

homology 2 domain containing transforming protein C2, SHC2_HUMAN.

Background: Src homology 2 (SH2) domains bind specifically to tyrosine-phosphorylated proteins that temporally participate in signal transduction events (1). Shc-like protein (Sck) is a neuronal adaptor protein that contains an N-terminal PTB (phosphotyrosine binding) domain, a collagen homology (CH) domain, and a conserved C-terminal SH2 domain (2,3). Human Sck transcripts are present at high levels in liver, pancreas, prostate and ovary (4,5). In vascular endothelial cells, Sck participates in VEGF-induced signal transduction (6). Treatment of human umbilical vein endothelial (HUVEC) cells with VEGF induces recruitment of Sck to tyrosine-1175 of the kinase insert domain-containing receptor (KDR) and enhances Sck tyrosine phosphorylation (7,8).

Pathways: [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [VEGFR1 Specific Signals](#), [VEGF Signaling](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months