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anti-SHC2 antibody (AA 161-270) (Cy3)



Overview

Quantity:	100 μL
Target:	SHC2
Binding Specificity:	AA 161-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHC2 antibody is conjugated to Cy3
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

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

Format:	Liquid
Handling	
Restrictions:	For Research Use only
	IF(ICC) 1:50-200
Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200

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