

Rabbit Anti-SHC1 Polyclonal Antibody

CPB-829RH Rabbit(SHC1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-SHC1 Polyclonal Antibody
Antigen Description	Signaling adapter that couples activated growth factor receptors to signaling pathway. Isoform p46Shc and isoform p52Shc, once phosphorylated, couple activated receptor tyrosine kinases to Ras via the recruitment of the GRB2/SOS complex and are implicated in the cytoplasmic propagation of mitogenic signals. Isoform p46Shc and isoform p52Shc may thus function as initiators of the Ras signaling cascade in various non-neuronal systems. Isoform p66Shc does not mediate Ras activation, but is involved in signal transduction pathways that regulate the cellular response to oxidative stress and life span. The expression of isoform p66Shc has been correlated with life span.
specificity	The antibody detects endogenous level ofSHC1 only when phosphorylated at tyrosine 427.
Target	SHC1
Immunogen	Peptide sequence around phosphorylation site of tyrosine 427 (P-S-Y(p)-V-N derived from HumanSHC1.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA,WB,IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02%sodium azide and 50%glycerol.
Storage	Store at -20°C/ 1year

ANTIGEN GENE INFORMATION

Gene Name	SHC1 SHC (Src homology 2 domain containing) transforming protein 1 [Homo sapiens]
Official Symbol	SHC1
Synonyms	SHC1; SHC (Src homology 2 domain containing) transforming protein 1; SHC, SHC (Src homology 2 domain containing) transforming protein 1; SHC-transforming protein 1; p66; SH2 domain protein C1; SHC-transforming protein 3; SHC-transforming protein A; SHC (Src homology 2 domain-containing) transforming protein 1; SHC; SHCA; FLJ26504;
GeneID	6464
mRNA Refseq	NM_001130040
Protein Refseq	NP_001123512
MIM	600560
UniProt ID	P29353

Chromosome Location 1q21

Pathway

Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem;

Function

ephrin receptor binding; ephrin receptor binding; epidermal growth factor receptor binding; epidermal growth factor receptor binding; insulin receptor binding; insulin-like growth factor receptor binding; neurotrophin TRKA receptor binding; phospholipid binding; phosphoprotein binding; phosphotyrosine binding; protein binding; protein complex binding; protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase adaptor activity;