

Rabbit Anti-SHC1 Polyclonal Antibody

CPB-1187RH Rabbit(SHC1)

Lot. No. (See product label)

PRODUCT INFORMATION

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| 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. |
| specificity | The antibody detects endogenous level of total SHC1 protein. |
| Target | SHC1 |
| Immunogen | Peptide sequence around aa. 347~351 (H-Q-Y-Y-N) derived from Human SHC1. |
| Host | Rabbit |
| Species | Human |
| Cross Reactivity | Human; Mouse |
| conjugation | N/A |
| Applications | IFA, WB |

PACKAGING

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| Format | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C/1 year |

ANTIGEN GENE INFORMATION

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| 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;