

## SHC1

**Reactivity:**Human Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**63kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic peptide of human SHC1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

oqr

**Synonym:**

SHC; SHCA;

**Catalog #:**A7725

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**6464

**Isotype:**IgG

**Swiss Prot:**P29353

**Purity:**Affinity purification

For research use only.

**Background:**

This gene encodes three main isoforms that differ in activities and subcellular location. While all three are adapter proteins in signal transduction pathways, the longest (p66Shc) may be involved in regulating life span and the effects of reactive oxygen species. The other two isoforms, p52Shc and p46Shc, link activated receptor tyrosine kinases to the Ras pathway by recruitment of the GRB2/SOS complex. p66Shc is not involved in Ras activation. Unlike the other two isoforms, p46Shc is targeted to the mitochondrial matrix. Several transcript variants encoding different isoforms have been found for this gene.

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