

# Phospho-SHC1 (Tyr427) Antibody



PACO24503

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## Product Information

**Size:**

100ul

**Reactivity:**

Human, Mouse, Rat

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC, IF

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:500-1:1000,  
IHC:1:50-1:100, IF:1:100-1:200

**Protein Background:**

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. Isoform p66Shc acts as a downstream target of the tumor suppressor p53 and is indispensable for the ability of stress-activated p53 to induce elevation of intracellular oxidants, cytochrome c release and apoptosis. The expression of isoform p66Shc has been correlated with life span.

**Gene ID:**

SHC1

**Uniprot**

P29353

**Synonyms:**

SH2 domain protein C1; SHC; SHC-transforming protein 1; SHCA; Src homology 2 domain-containing-transforming protein C1

**Immunogen:**

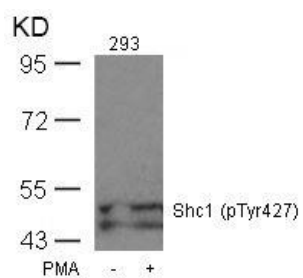
Peptide sequence around phosphorylation site of tyrosine 427 (P-S-Y(p)-V-N derived from Human Shc1.

**Storage:**

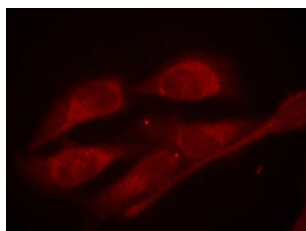
Supplied at 1.0mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

## Product Images

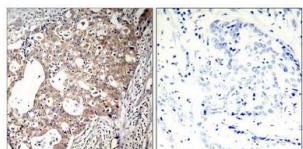
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Western blot analysis of extracts from 293 cells untreated or treated with PMA using Shc1(Phospho-Tyr427) Antibody.



Immunofluorescence staining of methanol-fixed HeLa cells using Shc1(Phospho-Tyr427) Antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Shc1(Phospho-Tyr427) Antibody(left) or the same antibody preincubated with blocking peptide(right).