Shc1(Ab-349) Antibody

**Catalog No:** #21316

**Package Size:** #21316-1 50ul  #21316-2 100ul  #21316-4 25ul

### Description

**Product Name**
Shc1(Ab-349) Antibody

**Host Species**
Rabbit

**Clonality**
Polyclonal

**Purification**
Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

**Applications**
WB IF

**Species Reactivity**
Hu Ms Rt

**Specificity**
The antibody detects endogenous level of total Shc1 protein.

**Immunogen Type**
Peptide-KLH

**Immunogen Description**

**Target Name**
Shc1

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

**Accession No.**
Swiss-Prot: P29353NCBI Protein: NP_001123512.1

**Concentration**
1.0mg/ml

**Formulation**
Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage**
Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

### Application Details

Predicted MW: 46 52 66kd

Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

### Images

![Western blot analysis of extracts from HepG2 cells using Shc1(Ab-349) Antibody #21316.](image-url)
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.


Note: This product is for in vitro research use only and is not intended for use in humans or animals.