

## Rabbit anti-Human Shc1 Polyclonal Antibody | anti-Shc1 antibody

Shc1 (Phospho-Tyr427) Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                           |
|-----------|--------|------------|--------------------------------------------------------|
| AAA304832 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot |

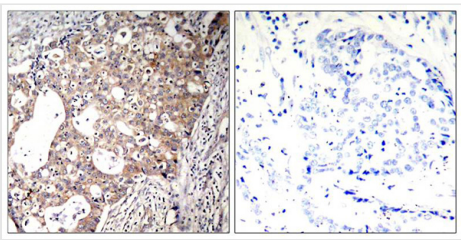
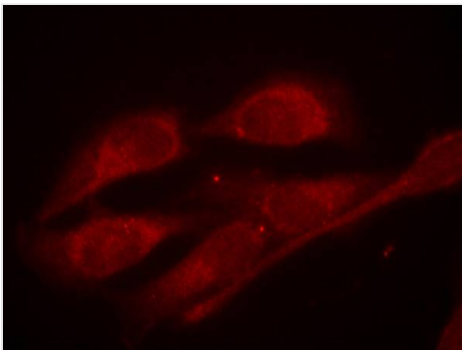
### PRODUCT SYNONYMS

Shc1; Polyclonal Antibody; Shc1 (Phospho-Tyr427) Antibody; SH2 domain protein C1; SHC; SHC-transforming protein 1; SHCA; Src homology 2 domain-containing-transforming protein C1; anti-Shc1 antibody

### PRODUCT SPECIFICATIONS

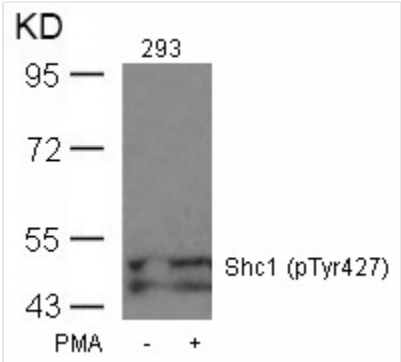
|                                                |                                                                                                                                                                                                                                                                  |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                           |
| Reactivity                                     | Human                                                                                                                                                                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                       |
| Specificity                                    | The antibody detects endogenous level of Shc1 only when phosphorylated at tyrosine 427.                                                                                                                                                                          |
| Purity/Purification                            | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using |
| Form/Format                                    | 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.                                                                                                     |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                        |
| Sequence Length                                | 584                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-Shc1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                           |
| Immunogen Type                                 | Peptide-KLH                                                                                                                                                                                                                                                      |
| Immunogen Description                          | Peptide sequence around phosphorylation site of tyrosine 427 (P-S-Y(p)-V-N derived from Human Shc1.                                                                                                                                                              |
| Modification                                   | Phospho-Tyr427                                                                                                                                                                                                                                                   |
| Target Name                                    | Shc1                                                                                                                                                                                                                                                             |
| Preparation and Storage                        | Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.                                                                                                                                                          |

IMAGES



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

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



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

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Shc1 antibody | 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 |
| Product Categories/Family for anti-Shc1 antibody   | Phospho-specific Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                           |                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                 | 194239664                                                                              |
| NCBI GeneID               | 6464                                                                                   |
| NCBI Accession #          | NP_001123512.1                                                                         |
| NCBI GenBank Nucleotide # | NM_001130040.1                                                                         |
| UniProt Accession #       | P29353; O15290; Q5T180; Q5T183; Q5T184; Q5T185; Q5T186; Q8N4K5; Q96CL1; B5BU19; D3DV78 |
| Molecular Weight          | 51,682 Da                                                                              |
| NCBI Official Full Name   | SHC-transforming protein 1 isoform 3                                                   |

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI Official Synonym Full Names | SHC (Src homology 2 domain containing) transforming protein 1 |
| NCBI Official Symbol             | SHC1                                                          |
| NCBI Official Synonym Symbols    | SHC; SHCA                                                     |
| NCBI Protein Information         | SHC-transforming protein 1                                    |
| UniProt Protein Name             | SHC-transforming protein 1                                    |
| UniProt Gene Name                | <b>SHC1</b>                                                   |
| UniProt Synonym Gene Names       | SHC; SHCA; SH2 domain protein C1                              |
| UniProt Entry Name               | SHC1_HUMAN                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/polyclonal/shc1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304832>