

Datasheet for ABIN197590 **anti-SHC1 antibody (Tyr427)**

3 Images



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Overview

Quantity:	0.1 mL
Target:	SHC1
Binding Specificity:	Tyr427
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human Shc1 around the phosphorylation site of Tyrosine 427 (P-S-Yp-V-N).
Specificity:	This antibody detects endogenous levels of total Shc1 protein.
Purification:	Immunoaffinity Chromatography using epitope-specific immunogen.

Target Details

Target:	SHC1
Alternative Name:	SHC1 / SHC (SHC1 Products)
Background:	The SHC gene encodes for a signaling and transforming protein containing Src homology 2 and 3 (SH2 and SH3) domains. The SHC gene encodes 2 widely expressed overlapping proteins of

Target Details

46 and 52 kD, both containing a C-terminal SH2 domain. Adjacent to the SH2 region is a glycine and proline rich region. These 2 proteins differ in their N terminals. SHC proteins are involved in mitogenic signal transduction and act by coupling growth factor receptors to the RAS signaling pathway. The protein encoded by the SHC1 gene is thought to act as an adaptor in many signal transduction pathways. Synonyms: SHC-transforming protein 1, SHC-transforming protein 3, SHC-transforming protein A, SHCA, Src homology 2 domain-containing-transforming protein C1

Gene ID: 6464

NCBI Accession: [NP_001123512](#)

UniProt: [P29353](#)

Pathways: [RTK Signaling](#), [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [ER-Nucleus Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

Application Notes: Western blot: 1/500approx. 1/1000. Immunofluorescence: 1/100approx. 1/200.
Immunohistochemistry on Paraffin-Embedded Sections: 1/50approx. 1/100.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS (without Mg²⁺ and Ca²⁺), pH 7.4 containing 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

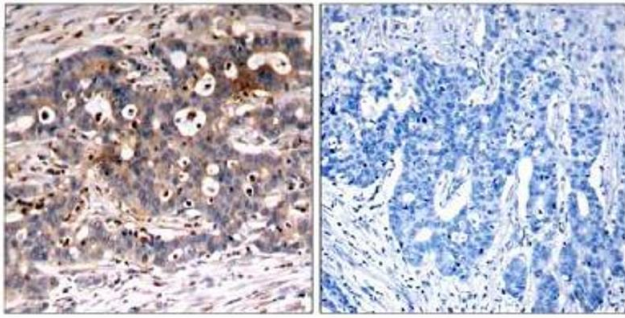
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.



Peptide - +

Image 1.

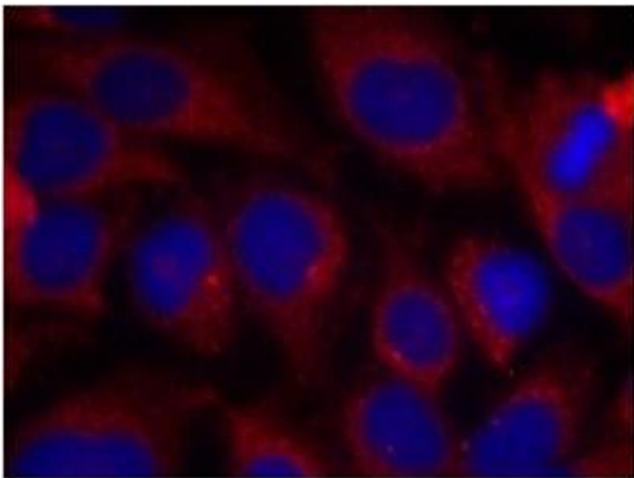


Image 2.

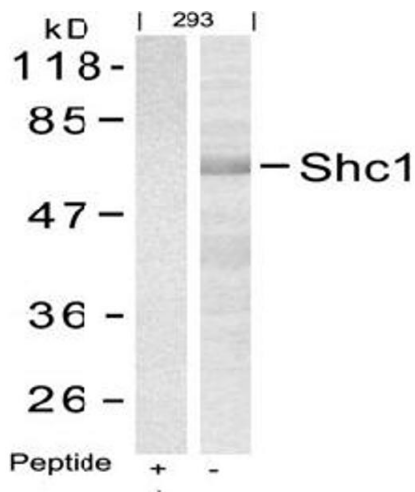


Image 3.