

Shc Polyclonal Antibody

Description

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|--------------------------------|--|
| Product type | Primary Antibody |
| Code | BT-AP08289 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Shc. AA range:315-364 |
| Mol wt | 62852 |
| Species reactivity | Human, Mouse, Rat |
| Clonality | Polyclonal |
| Recommended application | WB, IHC-p, IP, ELISA |
| Concentration | 1 mg/ml |
| Full name | Shc Antibody |
| Synonyms | SHC1; SHC; SHCA; SHC-transforming protein 1; SHC-transforming protein 3; SHC-transforming protein A; Src homology 2 domain-containing-transforming protein C1; SH2 domain protein C1 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

SHC1 (SHC adaptor protein 1) 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 SHC1.

Recommended Dilution

WB: 1: 500 - 1: 2000

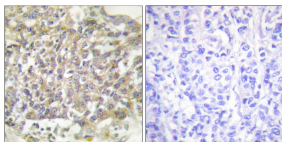
IHC: 1: 100 - 1: 300

ELISA: 1: 20000

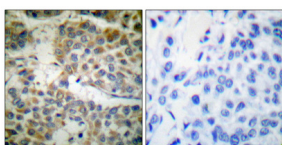
IP: 2 - 5 ug: mg lysate

Not yet tested in other applications.

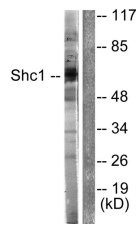
Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Shc Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from HeLa cells, treated with Calyculin A 50nM 15', using Shc Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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