

Product datasheet for **AP02793PU-S**

SHC (SHC1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western blot: 1/500~1/1000. Immunofluorescence: 1/100~1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human Shc1 around the phosphorylation site of tyrosine 349 (H-Q-Y ρ -Y-N).
Specificity:	This antibody detects endogenous levels of total Shc1 protein.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	SHC adaptor protein 1
Database Link:	Entrez Gene 6464 Human P29353



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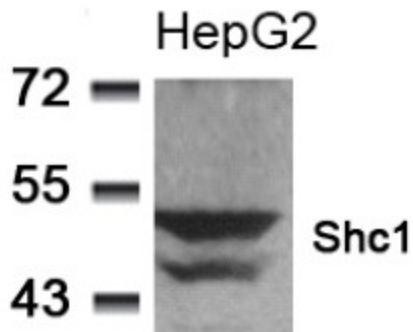
Background:

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 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 A, SHC-transforming protein 3, SHCA

Product images:

Western blot analysis of extracts from HepG2 cells using Shc1 antibody

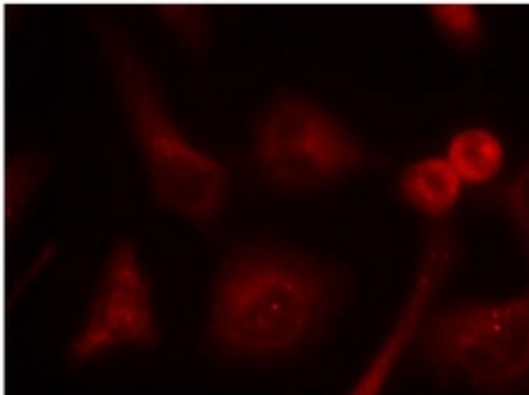


Figure 2. Immunofluorescence staining of methanol-fixed HeLa cells using Shc1 antibody (Red).