

## Shc (phospho-Tyr317) rabbit pAb

## Cat No.:ES13125

For research use only

## Overview

Product NameShc (phospho-Tyr317) rabbit pAbHost speciesRabbitApplicationsWB;ELISA;IHCSpecies Cross-ReactivityHuman;MouseRecommended dilutionsWB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000ImmunogenSynthesized phosho peptide around human Shc (Tyr317)SpecificityThis antibody detects endogenous levels of Human Mouse Shc (phospho-Tyr317)FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.StorageStore at -20°C. Avoid repeated freeze-thaw cycles.Protein NameShc (Tyr317)Gene NameSHC1 SHC SHCACellular localizationCytoplasm.; [Isoform p46Shc]: Mitochondrion matrix. Localized to the mitochondria matrix. Targeting of isoform p46Shc to mitochondria is mediated by its first 32 amino acids, which behave as a bona fide mitochondrial targeting sequence. Isoform p52Shc anPurificationThe antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.ClonalityPolyclonalObserved band66(p66 isoform), 52(p52 isoform), 46(p46 isoform)kDHuman Swiss-Prot NumberP29353Alternative NamesSHC-transforming protein 1 (SHC-transforming protein 3) (SHC-transforming protein A) (Src homology 2 domain-containing-transforming protein C1) (SH2 domain protein C1)		
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Human Gene ID6464Human Swiss-Prot NumberP29353Alternative NamesSHC-transforming protein 1 (SHC-transforming protein A) (Src homology 2 domain-containing-transforming	Concentration	1 mg/ml
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protein 3) (SHC-transforming protein A) (Src homology 2 domain-containing-transforming	Human Swiss-Prot Number	
	Alternative Names	protein 3) (SHC-transforming protein A) (Src



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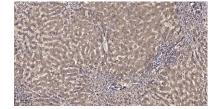
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Background



This gene 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 this gene. [provided by RefSeq, Feb 2011],

Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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