

## Immunotag™ Phospho-Shc (Tyr349) Antibody

Antibody Specification	
Catalog No.	ITA1016
Product Description	Immunotag™ Phospho-Shc (Tyr349) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-Shc (Tyr349)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Shc around the phosphorylation site of Tyrosine 349
Specificity	Phospho-Shc (Tyr349) Antibody detects endogenous levels of Shc only when phosphorylated at Tyrosine 349
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SHC1
Accession No.	P29353

## Antibody Specification

Alternate Names	FLJ26504; p66; p66SHC; SH2 domain protein C1; SHC (Src homology 2 domain containing) transforming protein 1; SHC 1; SHC A; SHC adaptor protein 1; Shc; SHC transforming protein 1; SHC transforming protein; SHC-transforming protein 1; SHC-transforming protein 3; SHC-transforming protein A; SHC1; SHC1_HUMAN; SHCA; Src homology 2 domain-containing-transforming protein C1;
Description	Signaling adapter that couples activated growth factor receptors to signaling pathways. Participates in a signaling cascade initiated by activated KIT and KITLG/SCF. 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 (By similarity). Participates in signaling downstream of the angiopoietin receptor TEK/TIE2, and plays a role in the regulation of endothelial cell migration and sprouting angiogenesis.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	70kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.