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Product datasheet for TA392908S

SHC (SHC1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000 IHC: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human Shc around the phosphorylation site of Tyrosine 349.
Specificity:	p-Shc (Y349) polyclonal antibody detects endogenous levels of Shc protein only when phosphorylated at Tyr349.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 46, 52, 66 kDa
Gene Name:	SHC adaptor protein 1
Database Link:	Entrez Gene 6464 Human P29353

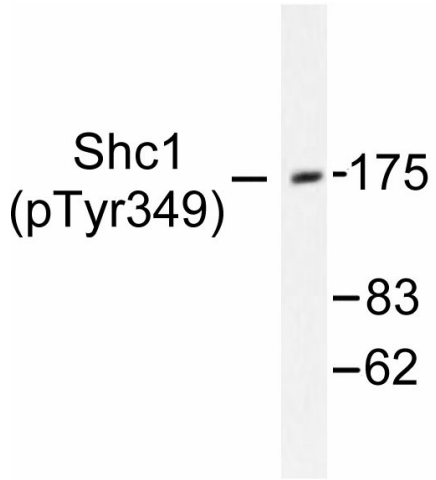
View online »

Background: Critical components of this process include adapter proteins such as Shc and IRS-1 that lack detectable catalytic activity. These are immediate substrates of receptor tyrosine kinase activity and serve to physically link activated receptors to downstream signaling components. Whereas Shc has been implicated in signaling by diverse receptor families, IRS-1 serves primarily as the major insulin receptor substrate. Shc also participates in insulin signaling by linking the insulin receptor to Ras by forming complexes with the adapter protein GRB2 and Sos independently of IRS-1. A protein immunologically related to IRS-1, originally designated 4PS and now known as IRS-2, was shown to become highly tyrosine phosphorylated in response to IL-4 or IGF-1 in cells lacking IRS-1. An additional member of this family of signaling intermediates, Shb, is a SH2-containing protein with characteristic proline-rich domains.

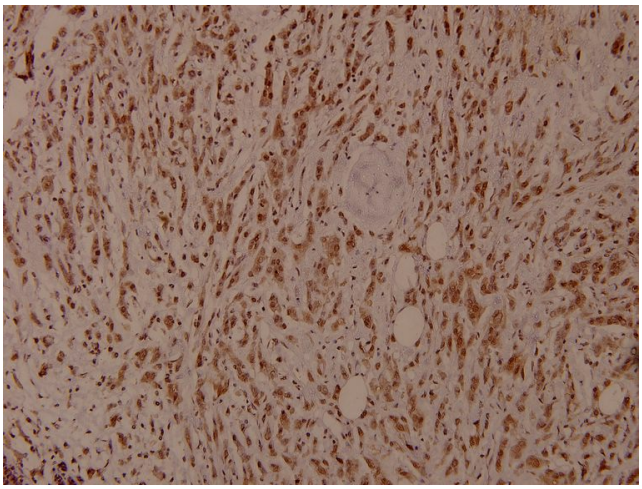
Synonyms: SH2 domain protein C1; SHC; SHC-transforming protein 1; SHC-transforming protein 3; SHC-transforming protein A; SHC1; SHCA; Src homology 2 domain-containing-transforming protein C1

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of p-Shc (Y349) pAb at 1:500 dilution Lane1:HEK293T whole cell lysate Lane2:HEK293T treated with EGF(100ng/ml,15 minutes) whole cell lysate Lane3:HEK293T treated with EGF(100ng/ml,30 minutes) whole cell lysate Lane4:The Kidney tissue lysate of Mouse Lane5:The Kidney tissue lysate of Rat



Immunohistochemistry (IHC) analyzes of p-Shc (Y349) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.