

SHC1 Antibody

Catalog No: #48389

Package Size: #48389-1 50ul #48389-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

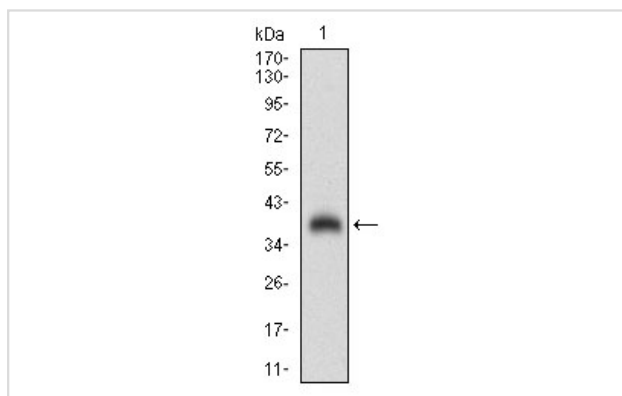
Product Name	SHC1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	7C-7F
Purification	ProA affinity purified
Applications	WB, ICC, FC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	FLJ26504 antibody p66 antibody p66SHC antibody SH2 domain protein C1 antibody SHC (Src homology 2 domain containing) transforming protein 1 antibody SHC 1 antibody SHC A antibody SHC adaptor protein 1 antibody Shc antibody SHC transforming protein 1 antibody SHC transforming protein antibody SHC-transforming protein 1 antibody SHC-transforming protein 3 antibody SHC-transforming protein A antibody SHC1 antibody SHC1_HUMAN antibody SHCA antibody Src homology 2 domain-containing-transforming protein C1 antibody
Accession No.	Swiss-Prot#:P29353?
Uniprot	P29353
GeneID	6464;
Calculated MW	63 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

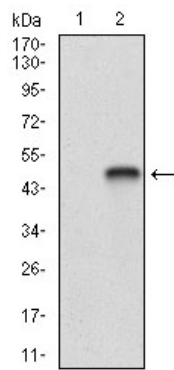
WB: 1:500-1:2,000 IHC: 1:50-1:200

ICC: 1:50-1:200 FC: 1:50-1:100

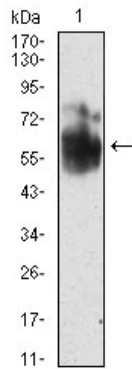
Images



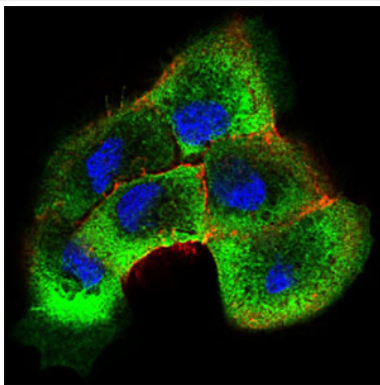
Western blot analysis of SHC1 on human SHC1 recombinant protein using anti-SHC1 antibody at 1/1,000 dilution.



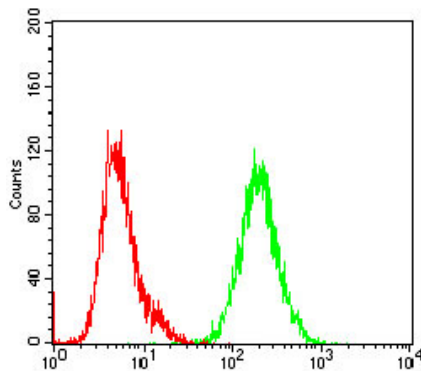
Western blot analysis of SHC1 on HEK293 (1) and SHC1-hlgGfc transfected HEK293 (2) cell lysate using anti-SHC1 antibody at 1/1,000 dilution.



Western blot analysis of SHC1 on NIH/3T3 cell lysate using anti-SHC1 antibody at 1/1,000 dilution.



ICC staining SHC1 (green) and Actin filaments (red) in A431 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of NIH/3T3 cells with SHC1 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Background

Growth factor triggering of protein tyrosine kinase receptors induces signals that cascade to the nucleus activating mitogenic, as well as other, responses. 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 (4-7). 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.

References

Note: This product is for in vitro research use only