Data Sheet (Cat.No.TMAC-03736)

Anti-Shc Antibody (2E265)

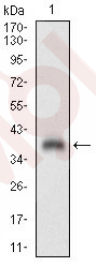
Product Details

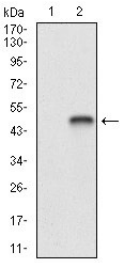
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 63 kDa.
Clone:	2E265
Purification:	ProA affinity purified

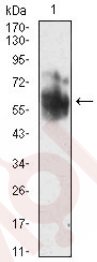
Applications

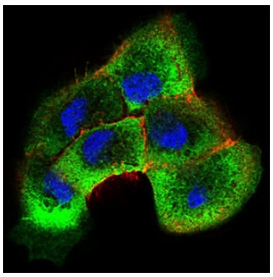
Verified Activity:

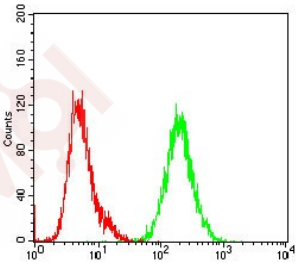
1. Western blot analysis of SHC1 on human SHC1 recombinant protein using anti-SHC1 antibody at 1/1,000 dilution.
2. Western blot analysis of SHC1 on HEK293 (1) and SHC1-hIgGFc transfected HEK293 (2) cell lysate using anti-SHC1 antibody at 1/1,000 dilution.
3. Western blot analysis of SHC1 on NIH/3T3?cell lysate using anti-SHC1 antibody at 1/1,000 dilution.
4. 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.
5. 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).











Application: FCM,ICC,WB

Recommended: WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P29353

Synonyms: p66;SHC1_HUMAN;SHC (Src homology 2 domain containing) transforming protein 1;SHC1;SHC 1;Shc;SHC-transforming protein 1;SHC-transforming protein A;SH2 domain protein C1;SHC adaptor protein 1;Src homology 2 domain-containing-transforming protein C1;FLJ26504;SHCA; p66SHC;SHC transforming protein 1;SHC-transforming protein 3;SHC A;SHC transforming protein

Research 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481