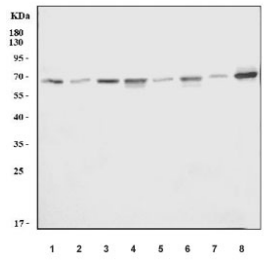
SHC transforming protein 1 / SHC1 / SHC [clone 6D6E1] (RQ7007)

Catalog No.	Formulation	Size
RQ7007	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	6D6E1
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P29353
Applications	Western blot: 0.5-1 ug/ml
Limitations	This SHC transforming protein 1 antibody is available for research use only.



Western blot testing of 1) human HeLa, 2) human A431, 3) human HepG2, 4) human Jurkat, 5) rat brain, 6) rat thymus, 7) mouse brain and 8) mouse thymus tissue lysate with SHC transforming protein 1 antibody. Predicted molecular weight ~63 kDa.

Description

SHC, also known as SHC1 (SHC-transforming protein 1) or SHCA, is a protein that in humans is encoded by the SHC1 gene. SCOP classifies the 3D structure as belonging to the SH2 domain family. 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.

Application Notes

Optimal dilution of the SHC transforming protein 1 antibody should be determined by the researcher.

Immunogen

C-terminal amino acids VDPEGVVRTKDHRFESVSHLISYHMDNHL were used as the immunogen for the SHC transforming protein 1 antibody.

Storage

After reconstitution, the SHC transforming protein 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.