Mouse SHC1 Monoclonal Antibody | anti-SHC1 antibody

SHC1 antibody

CATALOG #	HOST	APPLICATIONS
AAA108259	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence**

PRODUCT SYNONYMS

SHC1; Monoclonal Antibody; SHC1 antibody; Monoclonal SHC1; Anti-SHC1; SHC transforming protein 1; SHC; SHCA; SH2 domain protein C1; SHC-transforming protein 3; SHC-transforming protein A; SH 1c; SH-1c; anti-SHC1 antibody

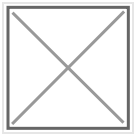
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3A1
Purity/Purification	SHC1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	369
Applicable Applications for anti-SHC1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	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 effectsof 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.
Cross-Reactivity	Human
Immunogen	SHC1 antibody was raised in mouse using a full length recombinant protein of human SHC1 (NP_003020) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IHC (Immunohistochemisry)
Immunohistochemical analysis of SHC1 protein in paraffin embedded Human colon tissue using SHC1 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant SHC1 protein (Right) or empty vector (Left) detected with SHC1 antibody



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant SHC1 protein using SHC1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-SHC1 antibody	Mouse monoclonal SHC1 antibody
Product Categories/Family for anti-SHC1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	21706900
NCBI GeneID	6464
Molecular Weight	51,682 Da
NCBI Official Full Name	SHC1 protein
NCBI Official Synonym Full Names	SHC (Src homology 2 domain containing) transforming protein 1
NCBI Official Symbol	SHC1
NCBI Official Synonym Symbols	SHC; SHCA
NCBI Protein Information	SHC-transforming protein 1
UniProt Protein Name	SHC-transforming protein 1
UniProt Gene Name	**SHC1**
UniProt Synonym Gene Names	SHC; SHCA; SH2 domain protein C1
UniProt Entry Name	SHC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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