

Mouse anti-Human SHC1 p66 Monoclonal Antibody | anti-SHC1 antibody

SHC1 p66 antibody | K02/12E8

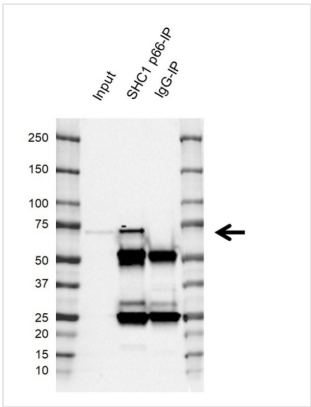
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50443	Mouse	Human	Western Blot, Immunoprecipitation

PRODUCT SYNONYMS

SHC1 p66; Monoclonal Antibody; SHC1 p66 antibody | K02/12E8; MOUSE ANTI HUMAN SHC1 p66; anti-SHC1 antibody

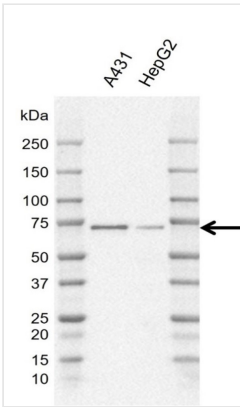
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	K02/12E8
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Purified IgG - liquid Phosphate buffered saline 0.09% Sodium Azide (NaN ₃)
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Applicable Applications for anti-SHC1 antibody	WB (Western Blot), IP (Immunoprecipitation)
Species Cross-Reactivity	Mouse: Yes; Rat: Yes
Immunogen	E Coli-derived recombinant protein, aa 1-110 of human SHC1 p66
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.



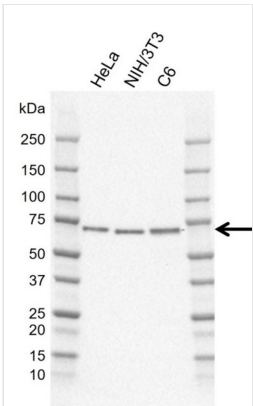
IP (Immunoprecipitation)

Immunoprecipitation of SHC1 from HepG2 whole cell lysate. The Input lane is 10% input; SHC1 p66-IP lane is the immunoprecipitation with the Mouse anti Human SHC1 p66 antibody (2.5 ug, AAA50443); the IgG-IP lane is the immunoprecipitation with Mouse monoclonal IgG (2.5 ug). Western blot analysis was performed using Mouse anti SHC1 p66 antibody (1/500, AAA50443) followed by detection with HRP conjugated Goat anti Mouse IgG (1/5,000) and visualized on the ChemiDoc MP. Arrow points to SHC1 p66 isoform.



WB (Western Blot)

Western blot analysis of whole cell lysates probed with SHC1 p66 antibody (2 ug/ml, AAA50443) followed by detection with HRP conjugated Goat anti Mouse IgG (1/5,000) and visualized on the ChemiDoc MP. Arrow points to SHC1 p66 isoform (molecular weight of 67 kDa).



WB (Western Blot)

Western blot analysis of whole cell lysates probed with SHC1 p66 antibody (1 ug/ml, AAA50443) followed by detection with HRP conjugated Goat anti Mouse IgG (1/10,000) and visualized on the ChemiDoc MP. Arrow points to SHC1 p66 isoform (molecular weight of 67 kDa).

ADDITIONAL INFORMATION

Related Product Information for anti-SHC1 antibody

Mouse anti Human SHC1 p66 antibody recognizes SRC homology 2 domain-containing transforming protein C1 isoform p66, also known as SHC-transforming protein 3 isoform p66 or SHC-transforming protein A isoform p66. SHC1 is a ubiquitously-expressed signaling adapter, linking activated growth factor receptors to signaling pathways. Importantly, EGFR signaling is mediated by phosphorylation and interactions of SHC1 protein, defining output from the EGF R pathway (Zheng et al. 2013). SHC1 exists as three functionally-distinct isoforms with molecular weights 46 kDa, 52 kDa and 66 kDa. These isoforms are encoded from the same gene, sharing a common structure and each possessing several phosphorylation sites (Mehlitz et al. 2010). SHC1 plays an oncogenic role in several cancer types (An et al. 2016). Isoforms of SHC1 may have distinct roles in disease.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194239664
NCBI GeneID	6464
NCBI Accession #	NP_001123512.1
NCBI GenBank Nucleotide #	NM_001130040.1

UniProt Accession #	P29353; O15290; Q5T180; Q5T183; Q5T184; Q5T185; Q5T186; Q8N4K5; Q96CL1; B5BU19; D3DV78
Molecular Weight	62,822 Da
NCBI Official Full Name	SHC-transforming protein 1 isoform 3
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; SH2 domain protein C1; SHC-transforming protein 3; SHC-transforming protein A; SHC (Src homology 2 domain-containing) 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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Online datasheet: <https://stage.aaabiotech.com/monoclonal/shc1-p66-antibody-clone-k02-12e8-western-blot-immunoprecipitation-elisa/50443>