

SHC Polyclonal Antibody | anti-SHC antibody

Anti-SHC Antibody

CATALOG # AAA46419	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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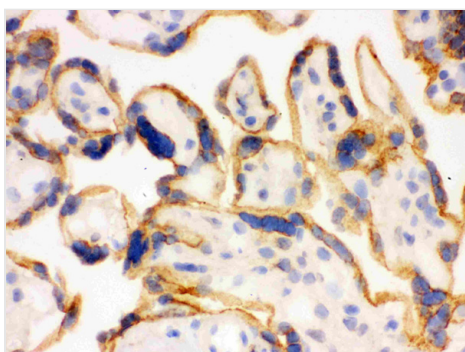
PRODUCT SYNONYMS

SHC; Polyclonal Antibody; Anti-SHC Antibody; SHC-transforming protein 1; FLJ26504; MGC98812; p46; p52; p52 SHC; p52SHC; p66; p66 SHC; p66SHC; SH2 domain protein C1; SHC (Src homology 2 domain containing) transforming protein 1; SHC 1; SHC A; Shc; SHC transforming protein 1; SHC transforming protein; SHC-transforming protein 3; SHC-transforming protein A; SHC1; SHC1_HUMAN; SHCA; Src homology 2 domain containing transforming protein C1; Src homology 2 domain-containing-transforming protein C1 antibody; anti-SHC antibody

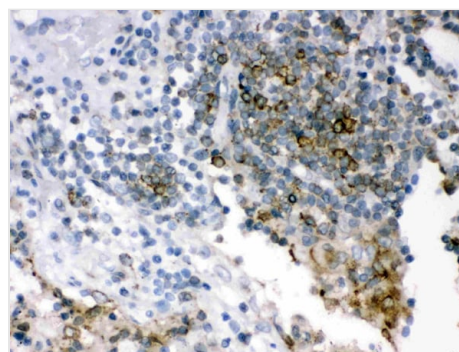
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	584
Applicable Applications for anti-SHC antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SHC (536-564aa VDPEGVVRTKDHRFESVSHLISYHMDNHL), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

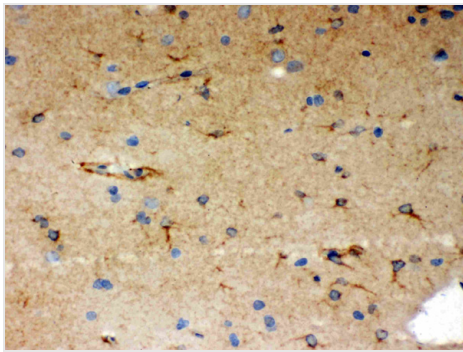
IMAGES



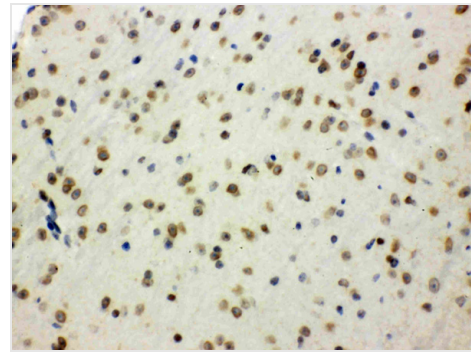
IHC (Immunohistochemistry)
Anti- SHC1 Picoband antibody, AAA46419, IHC(F)IHC(F): Human Placenta Tissue



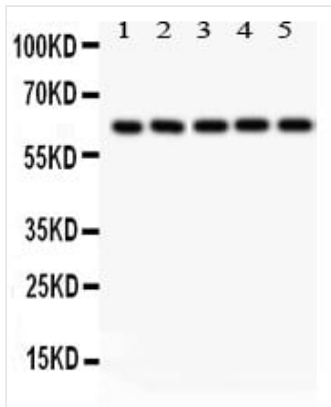
IHC (Immunohistochemistry)
Anti- SHC1 Picoband antibody, AAA46419, IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)
Anti- SHC1 Picoband antibody, AAA46419, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti- SHC1 Picoband antibody, AAA46419, IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)
Anti- SHC1 Picoband antibody, AAA46419, Western blottingAll lanes: Anti SHC1 (AAA46419) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 50ugLane 2: Mouse Testis Tissue Lysate at 50ugLane 3: JURKAT Whole Cell Lysate at 40ugLane 4: K562 Whole Cell Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugPredicted bind size: 63KDObserved bind size: 63KD

ADDITIONAL INFORMATION

Related Product Information for anti-SHC antibody	Description: Rabbit IgG polyclonal antibody for SHC-transforming protein 1(SHC1) detection. Tested with WB, IHC-P, IHC-F in Human;Mouse;Rat. Background: 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.
References	1. Harun, R. B., Smith, K. K., Leek, J. P., Markham, A. F., Norris, A., Morrison, J. F. J.Characterization of human SHC p66 cDNA and its processed pseudogene mapping to Xq12-q13.1.Genomics 42: 349-352, 1997. 2. Huebner, K., Kastury, K., Druck, T., Salcini, A. E., Lanfranccone, L., Pelicci, G., Lowenstein, E., Li, W., Park, S.-H., Cannizzaro, L., Pelicci, P. G., Schlessinger, J.Chromosome locations of genes encoding human signal transduction adapter proteins, Nck (NCK), Shc (SHC1), and Grb2 (GRB2).Genomics 22: 281-287, 1994. 3. Pelicci, G., Lanfranccone, L., Grignani, F., McGlade, J., Cavallo, F., Forni, G., Nicoletti, I., Grignani, F., Pawson, T., Pelicci, P. G.A novel transforming protein (SHC) with an SH2 domain is implicated in mitogenic signal transduction.Cell 70: 93-104, 1992.

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	51,682 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
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/polyclonal/shc-antibody-immunohistochemistry-western-blot-elisa/46419>