antibodies -online.com





anti-SHC1 antibody (C-Term)



Images



Go to Product page

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| Quantity: | 100 μg | |
|-----------------------------|--|--|
| Target: | SHC1 | |
| Binding Specificity: | AA 424-440, C-Term | |
| Reactivity: | Human, Rat | |
| Host: | Rabbit | |
| Clonality: | Polyclonal | |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)) | |
| Product Details | | |
| Purpose: | Rabbit IgG polyclonal antibody for SHC-transforming protein 1(SHC1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat. | |
| Immunogen: | A synthetic peptide corresponding to a sequence at the C-terminus of human SHC(424-440aa DPSYVNVQNLDKARQAV), different from the related rat and mouse sequences by two amino acids. | |
| Sequence: | DPSYVNVQNL DKARQAV | |
| Isotype: | IgG | |
| Cross-Reactivity (Details): | Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities. | |

Product Details

Characteristics:

Rabbit IgG polyclonal antibody for SHC-transforming protein 1(SHC1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat.

Gene Name: SHC(Src homology 2 domain containing) transforming protein 1

Protein Name: SHC-transforming protein 1

Purification:

Immunogen affinity purified.

Target Details

Target:

SHC1

Alternative Name:

SHC1 (SHC1 Products)

Background:

SHC1(SHC-transforming protein 1), also known as 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. By Southern analysis of somatic cell hybrids followed by both isotopic and fluorescence in situ hybridization, Huebner et al.(1994) assigned the SHC1 gene to 1q21. Yulug et al.(1995) used fluorescence in situ hybridization to map the SHC1 gene to 1q21. By the same method, an SHC-related sequence(SHCL1) was mapped to 17q21-q22. By FISH analysis and direct sequencing of vectorette library PCR products, Harun et al.(1997) identified SHC1P1, a 3.2-kb processed pseudogene, in Xq12-q13.1. SHC1P1 is 85 % identical to mouse Shc p66. Reporter assays showed FKHRL1 transactivates CAT, suggesting a capacity to augment antioxidant scavenging. Nemoto and Finkel(2002) concluded that there is an important functional relationship between forkhead proteins(e.g., FKHRL1), SHC1, and intracellular oxidants, all of which are though to be involved in the aging process in worms and mammals.

Synonyms: FLJ26504 antibody|MGC98812 antibody|p46 antibody|p52 antibody|p52 SHC antibody|p52SHC antibody|p66 antibody|p66 SHC antibody|p66SHC antibody|SH2 domain protein C1 antibody|SHC(Src homology 2 domain containing) transforming protein 1 antibody|SHC 1 antibody|SHC A antibody|SHC antibody|SHC transforming protein 1 antibody|SHC transforming protein antibody|SHC-transforming protein 1 antibody|SHC-transforming protein 3 antibody|SHC-transforming protein A antibody|SHC1 antibody|SHC1_HUMAN antibody|SHCA antibody|Src homology 2 domain containing transforming protein C1 antibody|Src homology 2 domain-containing-transforming protein C1 antibody

UniProt:

P29353

Pathways:

RTK Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, ER-Nucleus Signaling, Signaling Events mediated by VEGFR1

and VEGFR2

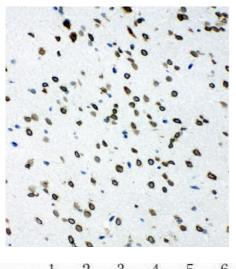
Application Details

| Application Notes: | WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, The | | |
|--------------------|---|--|--|
| | detection limit for SHC1 is approximately 1 ng/lane under reducing conditions. | | |
| | IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, | | |
| | Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for | | |
| | 20 mins is required for the staining of formalin/paraffin sections. | | |
| | IHC-F: Concentration: 0.5-1 μg/mL, Tested Species: Rat, Predicted Species: Human, Mouse | | |
| | ICC: Concentration: 0.5-1 μg/mL, Tested Species: Human | | |
| | Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be | | |
| | fit for the product based on sequence similarities. Other applications have not been tested. | | |
| | Optimal dilutions should be determined by end users. | | |
| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by | | |
| | ABIN921231 in IHC(P), IHC(F) and ICC. | | |
| Restrictions: | For Research Use only | | |
| Handling | | | |
| Format: | Lyophilized | | |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. | | |
| Concentration: | 500 μg/mL | | |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide. | | |
| Preservative: | Thimerosal (Merthiolate), Sodium azide | | |
| Precaution of Use: | This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND | | |
| | HAZARDOUS SUBSTANCES which should be handled by trained staff only. | | |
| Handling Advice: | Avoid repeated freezing and thawing. | | |
| Storage: | 4 °C/-20 °C | | |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month. | | |
| | It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing | | |
| | it duri dido be diliquotted drid stored mozem de 20 o for a longer time. Avoid repeated meezing | | |

Expiry Date:

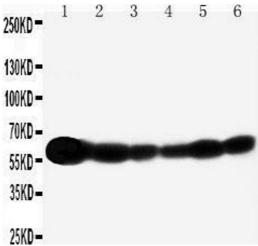
12 months

Validation report #300029 for Immunohistochemistry (IHC)



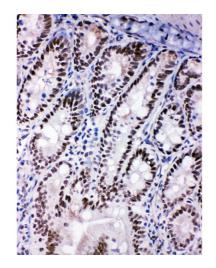
Immunohistochemistry

Image 1. Anti-SHC antibody, IHC(F) IHC(F): Rat Brain Tissue



Western Blotting

Image 2. Anti-SHC antibody, Western blotting Lane 1: Rat Brain Tissue Lysate Lane 2: A549 Cell Lysate Lane 3: A431 Cell Lysate Lane 4: 293T Cell Lysate Lane 5: HELA Cell Lysate Lane 6: JURKAT Cell Lysate



Immunohistochemistry

Image 3. Anti-SHC antibody, IHC(F) IHC(F): Rat Intestine Tissue

Please check the product details page for more images. Overall 8 images are available for ABIN3044111.