Datasheet for ABIN3032555

anti-SHC1 antibody (C-Term)

11 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	SHC1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human SHC (DPSYVNVQNLDKARQAV) was used as the immunogen for this SHC antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	SHC1
Alternative Name:	SHC (SHC1 Products)
Background:	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

Target Details

	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.
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

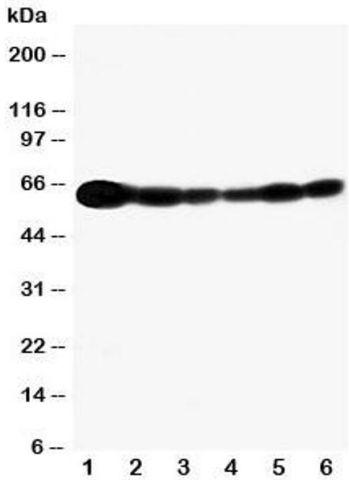
Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the SHC antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µ g/mL,Immunocytochemistry: 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

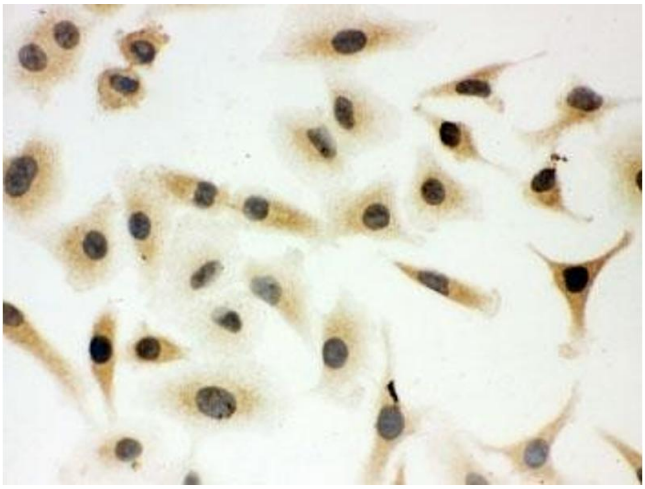
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the SHC antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



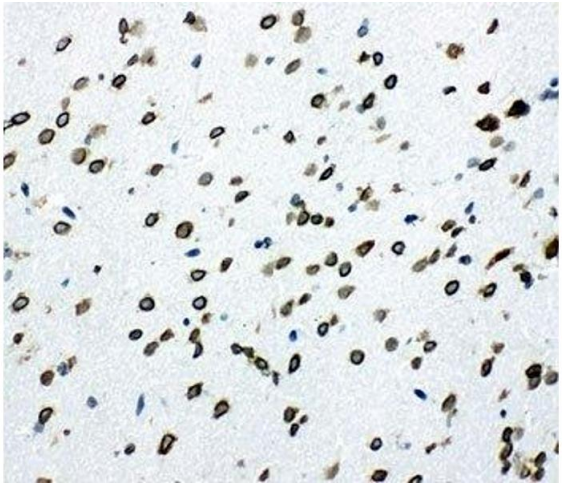
Western Blotting

Image 1. Western blot testing of SHC antibody and Lane 1: rat brain



Immunocytochemistry

Image 2. ICC testing of SHC antibody and A549 cells



Immunohistochemistry

Image 3. IHC-F testing of SHC antibody and rat brain tissue

Please check the product details page for more images. Overall 11 images are available for ABIN3032555.