

**SHC2 Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22349a**

**Specification**

**SHC2 Antibody (N-Term) - Product Information**

Application	IF, WB, FC,E
Primary Accession	<a href="#">P98077</a>
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	61916

**SHC2 Antibody (N-Term) - Additional Information**

**Gene ID** 25759

**Other Names**

SHC-transforming protein 2, Protein Sck,  
SHC-transforming protein B, Src homology 2  
domain-containing-transforming protein C2,  
SH2 domain protein C2, SHC2, SCK, SHCB

**Target/Specificity**

This SHC2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 129-163 amino acids from the human region of human SHC2.

**Dilution**

IF~~1:25  
WB~~1:2000  
FC~~1:25

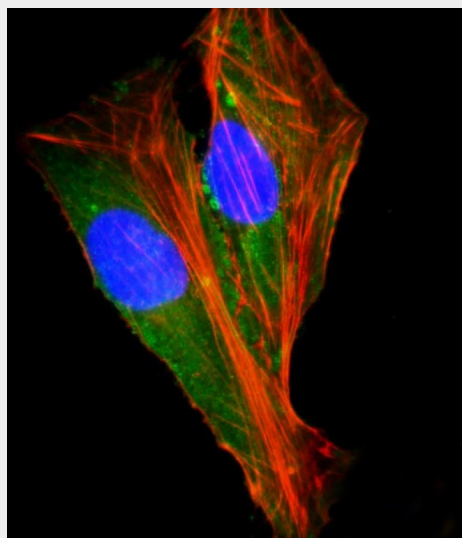
**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling SHC2 with AP22349a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and weak nucleus staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).

SHC2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### SHC2 Antibody (N-Term) - Protein Information

**Name** SHC2

**Synonyms** SCK, SHCB

#### Function

Signaling adapter that couples activated growth factor receptors to signaling pathway in neurons. Involved in the signal transduction pathways of neurotrophin-activated Trk receptors in cortical neurons (By similarity).

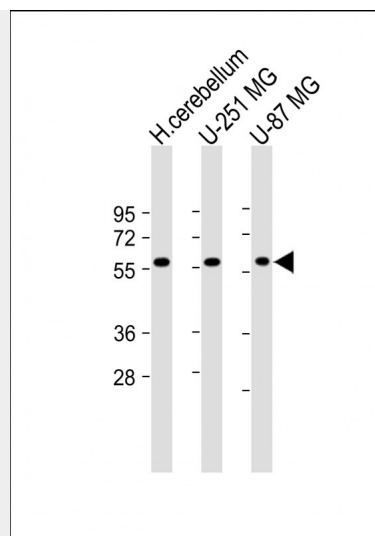
#### Tissue Location

Expressed in brain. Expressed at high level in the hypothalamus and at low level in the caudate nucleus

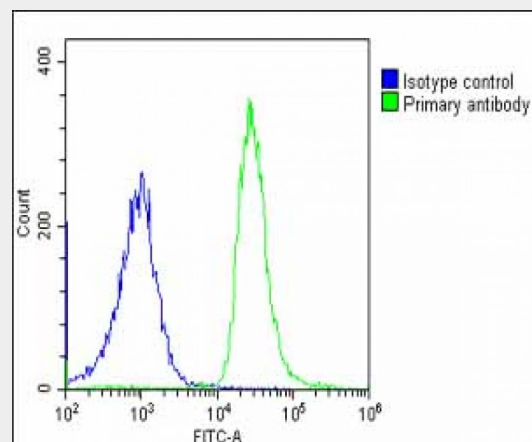
#### SHC2 Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



All lanes : Anti-SHC2 Antibody (N-Term) at 1:2000 dilution Lane 1: Human cerebellum lysate Lane 2: U-251 MG whole cell lysate Lane 3: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 62 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing U-2 OS cells stained with AP22349a (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22349a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (OE188374) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions.

Acquisition of >10, 000 events was performed.

### **SHC2 Antibody (N-Term) - Background**

Signaling adapter that couples activated growth factor receptors to signaling pathway in neurons. Involved in the signal transduction pathways of neurotrophin-activated Trk receptors in cortical neurons (By similarity).

### **SHC2 Antibody (N-Term) - References**

Grimwood J., et al. Nature 428:529-535(2004).  
Nakamura T., et al. J. Biol. Chem. 273:6960-6967(1998).  
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