

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

SHC2 Antibody (N-Term) - Product Information

Application	WB, FC, IF,E
Primary Accession	P98077
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
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

WB~~1:2000

FC~~1:25

IF~~1:25

E~~Use at an assay dependent concentration.

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

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).

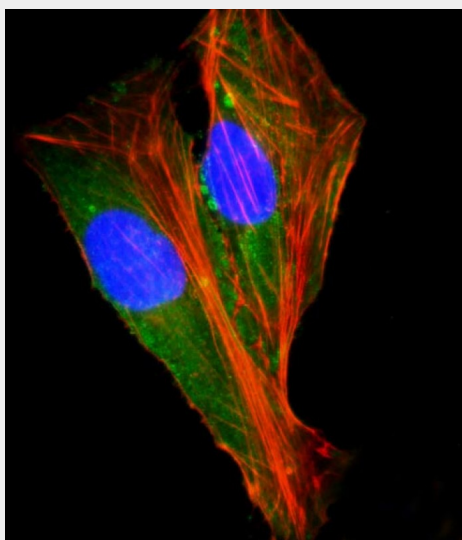
Tissue Location

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

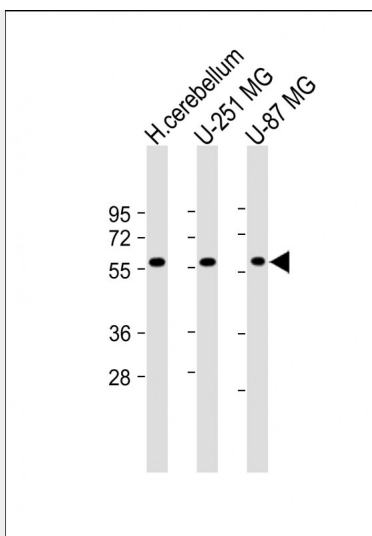
SHC2 Antibody (N-Term) - Protocols

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

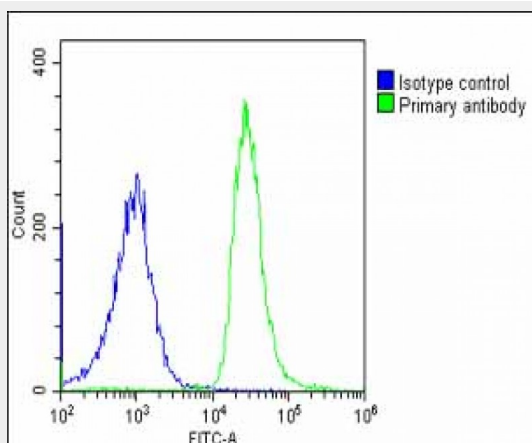
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SHC2 Antibody (N-Term) - Images

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).



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 (1µg/1x10⁶ 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

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Liu H.Y.,et al.J. Biol. Chem. 277:26046-26056(2002).