Datasheet for ABIN6242869

anti-SHC2 antibody (AA 129-163)

3 Images

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Overview

Quantity:	200 µL
Target:	SHC2
Binding Specificity:	AA 129-163
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB58088
Isotype:	Ig Fraction
Predicted Reactivity:	H
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SHC2
Alternative Name:	SHC2 (SHC2 Products)

Target Details

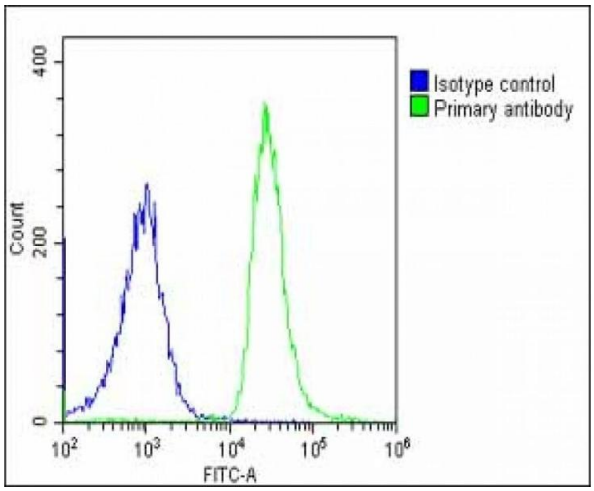
Background:	Signaling adapter that couples activated growth factor receptors to signaling pathway in neurons. Involved in the signal transduction pathways of neurotrophin-activated Trk receptors in cortical neurons (By similarity).
Molecular Weight:	61916
UniProt:	P98077
Pathways:	RTK Signaling, Neurotrophin Signaling Pathway, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals, VEGF Signaling

Application Details

Application Notes:	IF: 1:25. WB: 1:2000. FC: 1:25
Restrictions:	For Research Use only

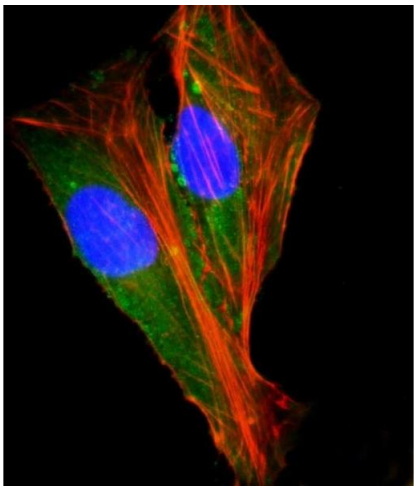
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



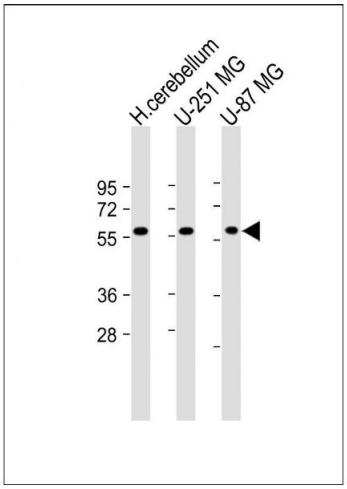
Flow Cytometry

Image 1. Overlay histogram showing U-2 OS cells stained with (ABIN6242869 and ABIN6578890)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242869 and ABIN6578890), 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/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling SHC2 with (ABIN6242869 and ABIN6578890) 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 DI (blue).



Western Blotting

Image 3. 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.