



Rabbit Anti-SHC3 antibody

SL6199R

Product Name:	SHC3
Chinese Name:	SH2结构域蛋白C3抗体
Alias:	N SHC; N-Shc; Neuronal Shc; NSHC; Protein Rai; Rai; SH2 domain protein C3; SHC (Src homology 2 domain containing) transforming protein 3; SHC protein C; SHC-like protein, neuronal; SHC-transforming protein 3; SHC-transforming protein C; Shc3; SHC3_HUMAN; SHCC; Src homology 2 domain-containing transforming protein; Src homology 2 domain-containing-transforming protein C3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	64kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SHC3:501-594/594
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:

Interacts with the Trk receptors in a phosphotyrosine-dependent manner. Once activated, binds to GRB2. Interacts with activated EGF receptors.

Tissue Specificity:

Mainly expressed in brain. Hardly detectable in other tissues, except in pancreas. Highly expressed in the cerebral cortex, frontal and temporal lobes, occipital pole, hippocampus, caudate nucleus and amygdala. Expressed at low level in the cerebellum, medulla and spinal cord.

Post-translational modifications:

Tyrosine phosphorylated.

Similarity:

Contains 1 PID domain.

Contains 1 SH2 domain.

SWISS:

Q92529

Gene ID:

53358

Database links:

[Entrez Gene: 53358](#)Human

[Entrez Gene: 20418](#)Mouse

[Entrez Gene: 114858](#)Rat

[Oimim: 605263](#)Human

[SwissProt: Q92529](#)Human

[SwissProt: Q61120](#)Mouse

[SwissProt: O70143](#)Rat

[Unigene: 292737](#)Human

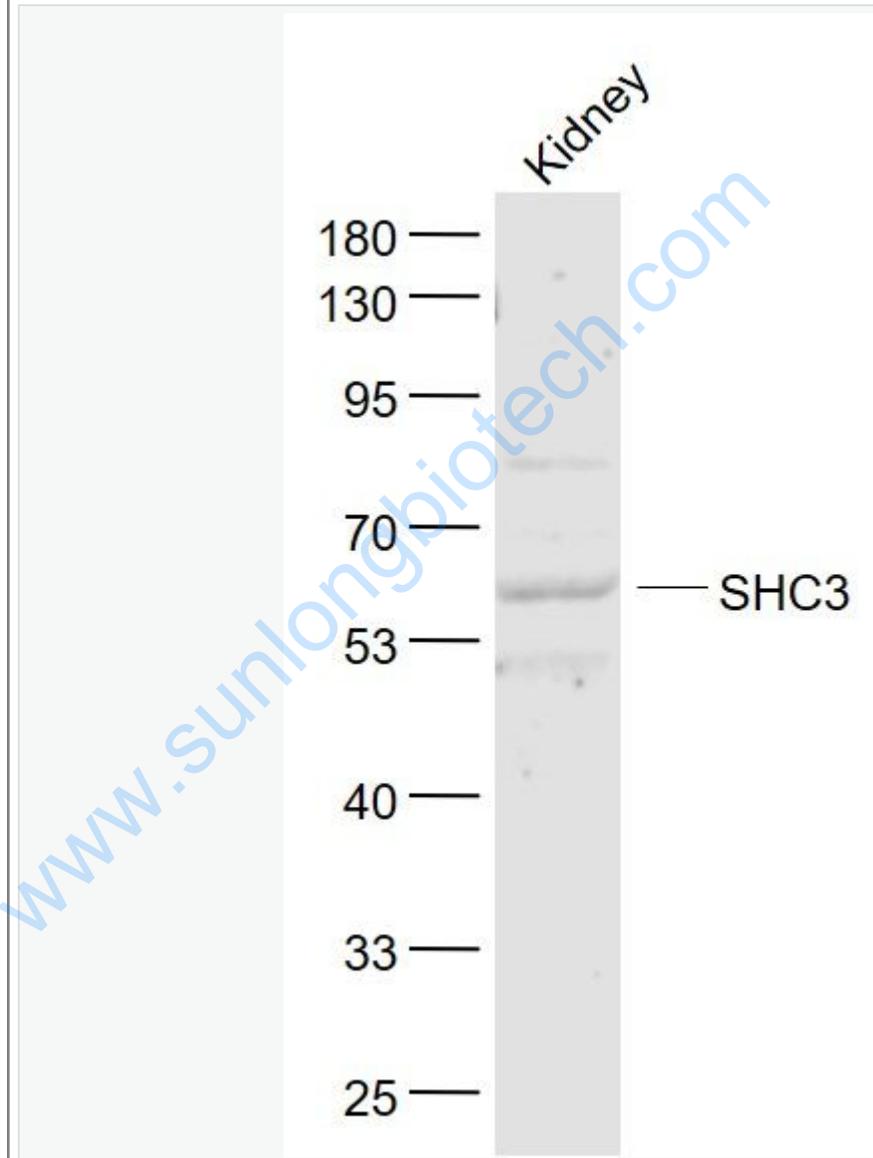
[Unigene: 131870](#)Mouse

[Unigene: 210551](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

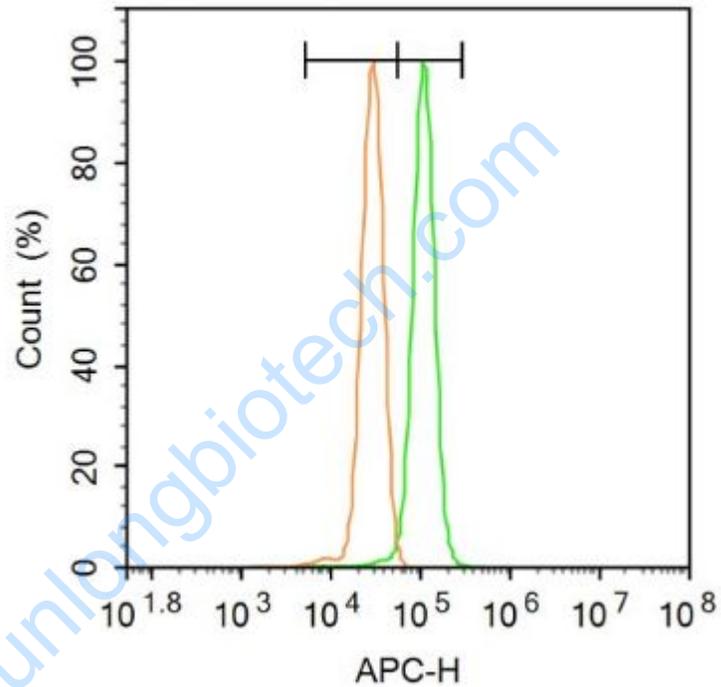
Kidney (Mouse) Lysate at 40 ug

Primary: Anti- SHC3 (SL6199R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 64 kD

Observed band size: 64 kD



Blank control (Black line): A431(Black).

Primary Antibody (green line): Rabbit Anti-ZNF185 antibody (SL6199R)

Dilution: $1\mu\text{g} / 10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647

Dilution: $1\mu\text{g} / \text{test}$.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then

permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at -20°C .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.