

For Research Use Only

# SHC4 Polyclonal antibody

Catalog Number: 12641-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

12641-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3336

### GenBank Accession Number:

BC033907

### GeneID (NCBI):

399694

### UNIPROT ID:

Q6S5L8

### Full Name:

SHC (Src homology 2 domain containing) family, member 4

### Calculated MW:

630 aa, 69 kDa

### Observed MW:

69 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, CoIP, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB**: SH-SY5Y cells, human brain tissue, HepG2 cells, human skeletal muscle tissue, mouse brain tissue, A375 cells, rat brain tissue

**IHC**: rat brain tissue, mouse brain tissue

**IF/ICC**: HepG2 cells, SH-SY5Y cells

## Notable Publications

Author	Pubmed ID	Journal	Application
Liu Wanting W	23638386	PeerJ	IHC,IF
Zhiling Luo	31971563	Clin Sci (Lond)	WB
Wenjing Zhong	38052369	Cancer Lett	WB,IHC,IF,CoIP

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

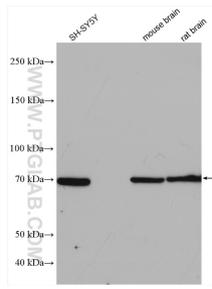
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

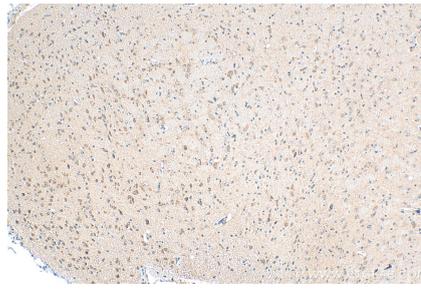
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

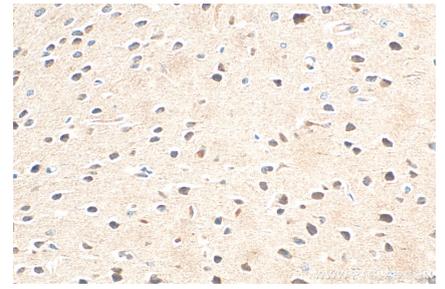
## Selected Validation Data



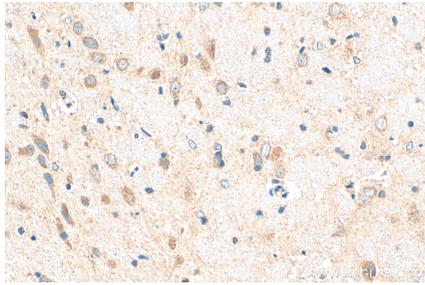
Various lysates were subjected to SDS PAGE followed by western blot with 12641-1-AP (SHC4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



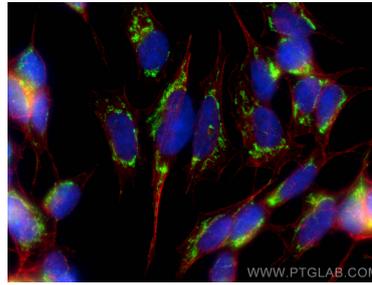
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 12641-1-AP (SHC4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



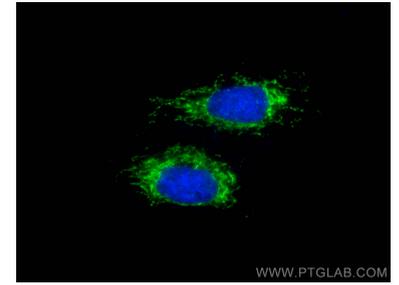
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12641-1-AP (SHC4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 12641-1-AP (SHC4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using SHC4 antibody (12641-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SHC4 antibody (12641-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).