

For Research Use Only

# SAC3D1 Polyclonal antibody

Catalog Number: 25857-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

25857-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG23026

### GenBank Accession Number:

BC007448

### GeneID (NCBI):

29901

### UNIPROT ID:

F8WC89

### Full Name:

SAC3 domain containing 1

### Calculated MW:

404 aa, 44 kDa

### Observed MW:

44, 31 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human

**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 : COLO 320 cells, HeLa cells, PC-3 cells, HeLa cells

IHC : human liver cancer tissue, human colon cancer tissue

## Background Information

SAC3D1, also named as SHD1 and HSU79266. SAC3D1 is widely found in the cytoplasm, cytoskeleton, microtubule, tissue center, centrosome and spindle, involved in centrosome duplication and mitotic progression. SAC3D1 is abnormally expressed in multiple types of cancer, such as colon cancer and hepatocellular carcinoma and gastric cancer. SAC3D1 may serve as a prognostic biomarker in hepatocellular carcinoma (PMID: 30353105, 32319600). SAC3D1 has 2 isoforms with the molecular mass of 44 and 31 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhao Zhang	39100078	Front Genet	WB,IHC,IF

## 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

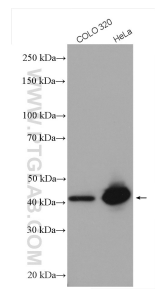
For technical support and original validation data for this product please contact:

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

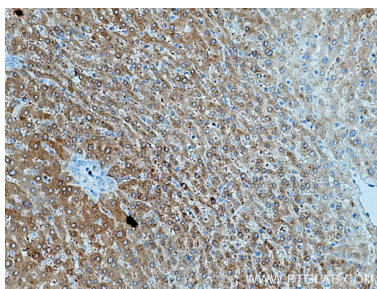
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

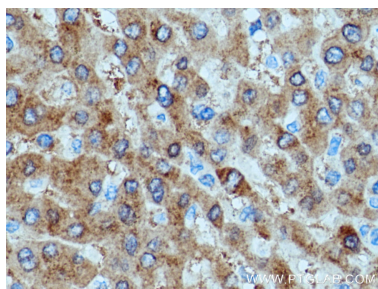
Selected Validation Data



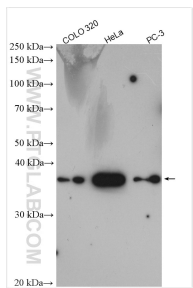
Various lysates were subjected to SDS PAGE followed by western blot with 25857-1-AP (SAC3D1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



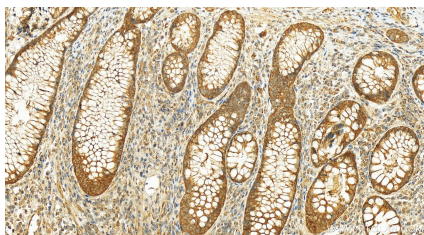
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 25857-1-AP (SAC3D1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 25857-1-AP (SAC3D1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 25857-1-AP (SAC3D1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 25857-1-AP (SAC3D1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).