

For Research Use Only

# SND1 Monoclonal antibody

Catalog Number: 60265-1-Ig

Featured Product

10 Publications



## Basic Information

### Catalog Number:

60265-1-Ig

### GenBank Accession Number:

BC017180

### Purification Method:

Protein G purification

### Size:

150ul, Concentration: 1800 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

### GeneID (NCBI):

27044

### CloneNo.:

1A6A4

### Source:

Mouse

### UNIPROT ID:

Q7KZF4

### Recommended Dilutions:

WB 1:5000-1:50000

### Isotype:

IgG1

### Full Name:

staphylococcal nuclease and tudor domain containing 1

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:20-1:200

### Immunogen Catalog Number:

AG1200

### Calculated MW:

101 kDa

### Observed MW:

101 kDa

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF, CoIP, ELISA

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat

**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:** HepG2 cells, HeLa cells, Jurkat cells, U2OS cells, HEK-293 cells, HSC-T6 cells, NIH/3T3 cells, A431 cells, LNCaP cells

**IP:** HeLa cells,

**IHC:** human pancreas tissue, human breast hyperplasia tissue, human breast cancer tissue, human colon cancer tissue

**IF/ICC:** HepG2 cells,

## Background Information

Staphylococcal nuclease domain-containing 1 (SND1), is a multifunctional nuclease that consists of four staphylococcal nuclease domains and a tudor domain. SND1 acts as a coactivator that facilitates transcriptional activity of STAT5, 6 and c-Myc. SND1 is a comprising part of the RNA-induced silencing complex(RISC), and takes part in the functions of miRNA, regulates transcription through transcriptional coactivation, RNA interference, RNA splicing, and RNA editing. Higher level of SND1 has been found in colon cancer and prostate cancer, can promote HCC angiogenesis in xenograft model through induction of angiogenic factors.

## Notable Publications

| Author                | Pubmed ID | Journal        | Application |
|-----------------------|-----------|----------------|-------------|
| Sen Zhang             | 30187485  | J Cell Physiol | IF          |
| Belinda Baquero-Perez | 31647415  | Elife          | WB          |
| Yuan Wang             | 32917674  | Sci Adv        | IF, ELISA   |

## 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

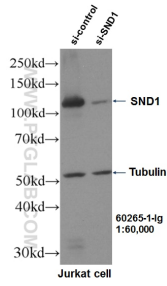
For technical support and original validation data for this product please contact:

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

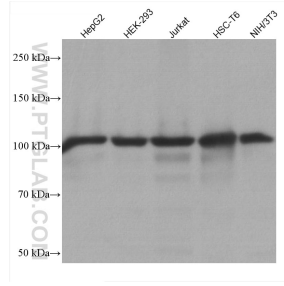
E: proteintech@ptglab.com  
W: ptglab.com

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

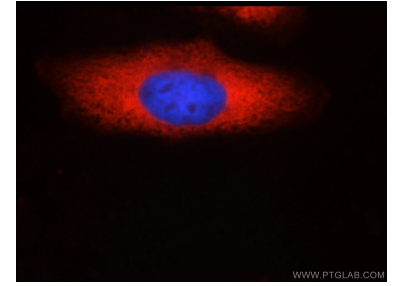
## Selected Validation Data



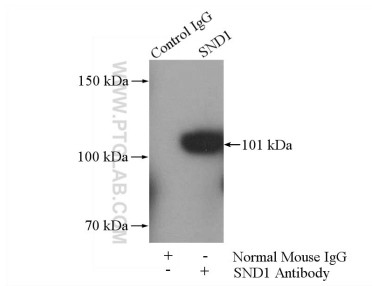
WB result of SND1 antibody (60265-1-Ig, 1:60,000) with si-Control and si-SND1 transfected Jurkat cells.



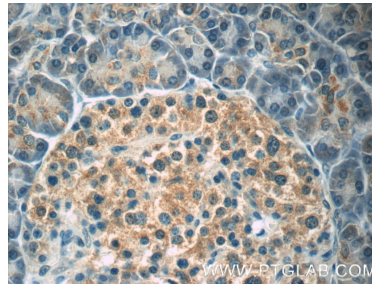
Various lysates were subjected to SDS PAGE followed by western blot with 60265-1-Ig (SND1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



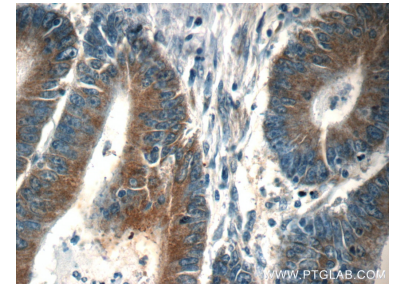
Immunofluorescent analysis of HepG2 cells using 60265-1-Ig(SND1 antibody) at dilution of 1:50 and Rhodamine-labeled goat anti-mouse IgG (red).



IP result of anti-SND1 (IP:60265-1-Ig, 5ug; Detection:60265-1-Ig 1:500) with HeLa cells lysate 1400ug.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 60265-1-Ig (SND1 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 60265-1-Ig (SND1 Antibody) at dilution of 1:50 (under 40x lens).