

For Research Use Only

# SND1 Polyclonal antibody

Catalog Number:10760-1-AP

Featured Product

12 Publications



## Basic Information

### Catalog Number:

10760-1-AP

### Size:

150ul , Concentration: 400 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1200

### GenBank Accession Number:

BC017180

### GeneID (NCBI):

27044

### UNIPROT ID:

Q7KZF4

### Full Name:

staphylococcal nuclease and tudor domain containing 1

### Calculated MW:

101 kDa

### Observed MW:

101 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:2000-1:16000

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, RIP

### Species Specificity:

human

### Cited Species:

human, mouse, bovine

**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** : A549 cells, Jurkat cells, COLO 320 cells, HeLa cells

**IHC** : human breast hyperplasia tissue, human breast cancer tissue, human liver tissue

**IF/ICC** : HeLa 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. This is a rabbit polyclonal antibody raised against near the C-terminus of human SND1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Sen Zhang	30187485	J Cell Physiol	WB
Belinda Baquero-Perez	31647415	Elife	WB,ChIP,RIP
Joshua E Burda	35614216	Nature	IHC

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

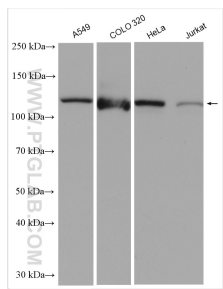
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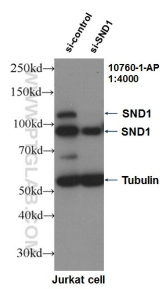
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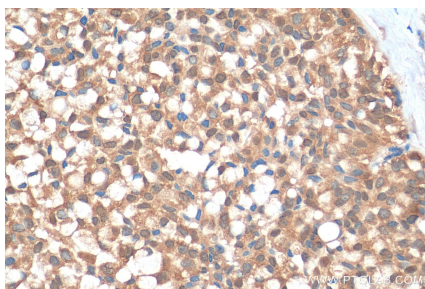
## Selected Validation Data



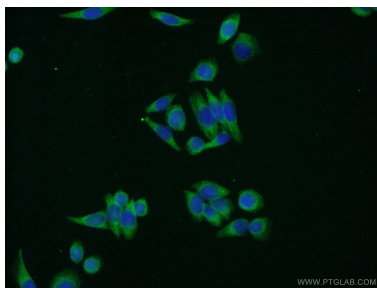
Various lysates were subjected to SDS PAGE followed by western blot with 10760-1-AP (SND1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



WB result of SND1 antibody (10760-1-AP, 1:4000) with si-Control and si-SND1 transfected Jurkat cells.



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 10760-1-AP (SND1 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 HeLa cells using 10760-1-AP (SND1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).