

For Research Use Only

# SND1 Polyclonal antibody

Catalog Number: 10760-1-AP

Featured Product

10 Publications



## Basic Information

Catalog Number:

10760-1-AP

Size:

400 µg/ml

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, 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

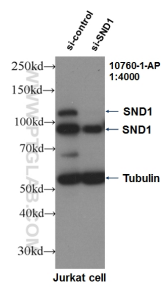
T: 4006900926

E: Proteintech-CN@ptglab.com

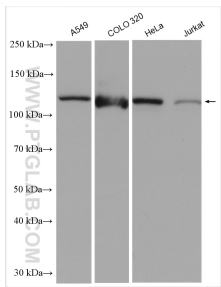
W: ptgcn.com

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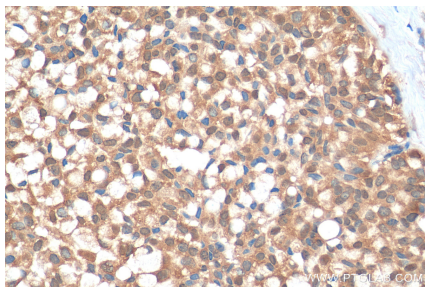
Selected Validation Data



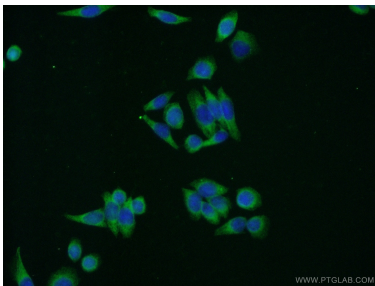
WB result of SND1 antibody (10760-1-AP, 1:4000) with si-Control and si-SND1 transfected Jurkat cells.



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.



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).