For Research Use Only

SND1 Monoclonal antibody

Catalog Number:60265-1-Ig Featured Product 7 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
60265-1-Ig

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

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG1200

GenBank Accession Number:
BC017180

GeneID (NCBI):
27044

Full Name:
staphylococcal nuclease and tudor domain containing 1

Calculated MW:
101 kDa

Observed MW:
101 kDa

Purification Method:
Protein G purification

CloneNo.:
1A6A4

Recommended Dilutions:
WB 1:5000-1:50000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:20-1:200

Applications

Tested Applications:
IF, IHC, IP, WB,ELISA

Cited Applications:
CoIP, ELISA, IF, WB

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 : 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

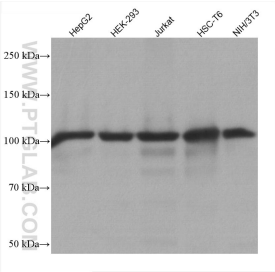
Storage

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

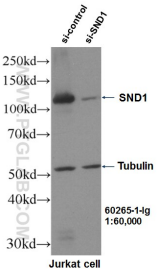
*** 20ul sizes contain 0.1% BSA

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

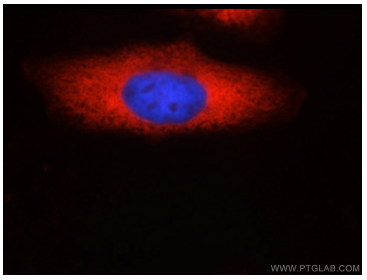
Selected Validation Data



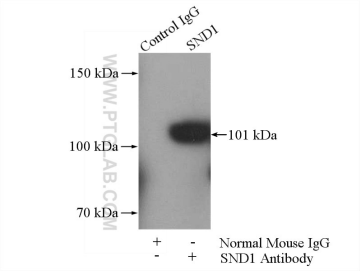
Various lysates were subjected to SDS PAGE followed by western blot with 60265-1-Ig (SND1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



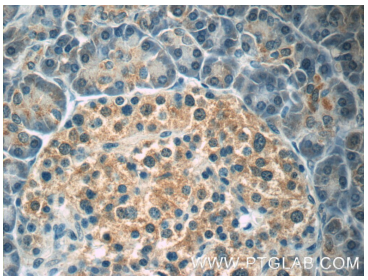
WB result of SND1 antibody (60265-1-Ig, 1:60,000) with si-Control and si-SND1 transfected Jurkat cells.



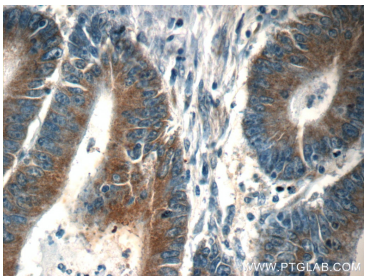
Immunofluorescent analysis of HepG2 cells using 60265-1-Ig(SND1 antibody) at dilution of 1:50 and and Rhodamine-labeled goat anti-mouse IgG (red).



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).