

Basic Information

Product Name	Anti-SND1 Antibody (Clone#5F5E9)	
Gene Name	SND1	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG2b	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, FCM	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E. coli-derived human SND1 recombinant protein (Position: Q20-D204). Human SND1 shares 98.4% and 97.8% amino acid (aa) sequence identity with mouse and rat SND1, respectively.	
Concentration	500 ug/ml	
Purification	protein G purified.	
Observed MW	110 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	Flow Cytometry (Fixed):	1:50-200
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

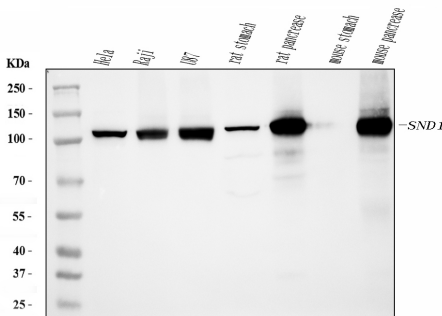
Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Staphylococcal nuclease domain-containing protein 1 also known as 100 kDa coactivator or Tudor domain-containing protein 11 (TDRD11) is a protein that in humans is encoded by the SND1 gene. This gene encodes a transcriptional co-activator that interacts with the acidic domain of Epstein-Barr virus nuclear antigen 2 (EBNA 2), a transcriptional activator that is required for B-lymphocyte transformation. Other transcription factors that interact with this protein are signal transducers and activators of transcription, STATs. This protein is also thought to be essential for normal cell growth. A similar protein in mammals and other organisms is a component of the RNA-induced silencing complex (RISC).

Selected Validation Data



Western blot analysis of SND1 using anti-SND1 antibody

(M02602-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: HeLa whole cell lysates,

Lane 2: Raji whole cell lysates,

Lane 3: U87 whole cell lysates,

Lane 4: rat stomach tissue lysates,

Lane 5: rat pancreas tissue lysates,

Lane 6: mouse stomach tissue lysates,

Lane 7: mouse pancreas tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with mouse anti-SND1 antigen

affinity purified monoclonal antibody (M02602-1) at a dilution of

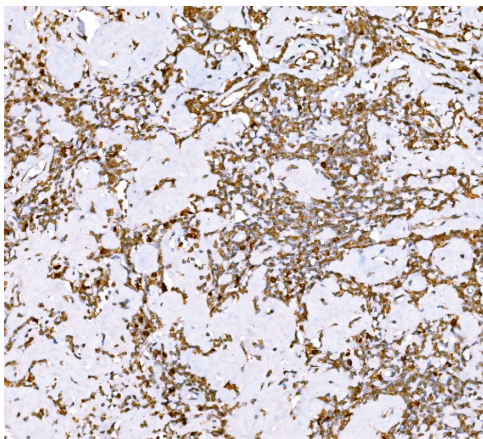
1:1000 and probed with a goat anti-mouse IgG-HRP secondary

antibody (Catalog # BA1050). The signal is developed using ECL

Plus Western Blotting Substrate (Catalog # AR1197). A specific

band was detected for SND1 at approximately 110 kDa. The

expected band size for SND1 is at 102 kDa.



IHC analysis of SND1 using anti-SND1 antibody (M02602-1).

SND1 was detected in a paraffin-embedded section of human

Hodgkin's lymphoma tissue. Biotinylated goat anti-mouse IgG was

used as secondary antibody. The tissue section was incubated with

mouse anti-SND1 Antibody (M02602-1) at a dilution of 1:200 and

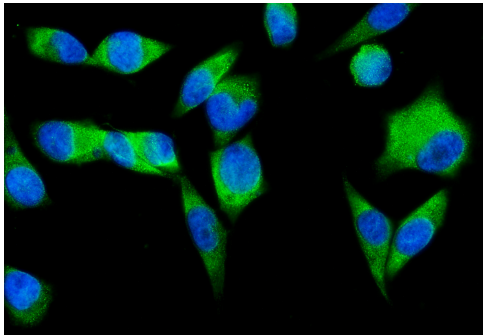
developed using Streptavidin-Biotin-Complex (SABC) (Catalog #

SA1021) with DAB (Catalog # AR1027) as the chromogen.

Product datasheet

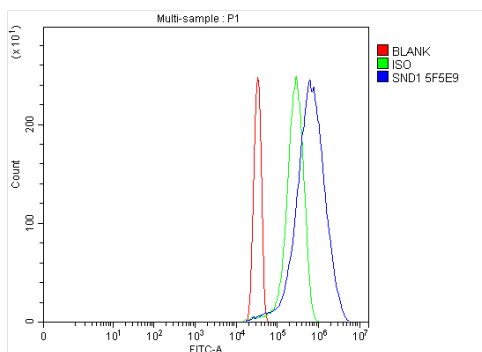
Anti-SND1 Antibody (Clone#5F5E9)

Catalog Number: M02602-1



IF analysis of SND1 using anti-SND1 antibody (M02602-1).

SND1 was detected in an immunocytochemical section of PC-3 cells. The section was incubated with mouse anti-SND1 Antibody (M02602-1) at a dilution of 1:100. Dylight488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog#BA1126) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of Hela cells using anti-SND1 antibody (M02602-1).

Overlay histogram showing Hela cells stained with M02602-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-SND1 Antibody (M02602-1) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.