

## SNRPN/SNRPB Monoclonal antibody

Catalog Number: 67280-1-Ig

## Basic Information

<b>Catalog Number:</b> 67280-1-Ig	<b>GenBank Accession Number:</b> BC000611	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 2000 ug/ml	<b>GeneID (NCBI):</b> 6638	<b>CloneNo.:</b> 1H2F4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P63162	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000 IF/ICC 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> small nuclear ribonucleoprotein polypeptide N	
<b>Immunogen Catalog Number:</b> AG14030	<b>Calculated MW:</b> 240 aa, 25 kDa	
	<b>Observed MW:</b> 27-29 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, 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 :** HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells

**IHC :** human colon cancer tissue,

**IF/ICC :** SH-SY5Y cells,

## Background Information

SNRPN, or SNURF-SNRPN, is a bistrionic imprinted gene that encodes 2 polypeptides, the SmN splicing factor, which is involved in RNA processing, and the SNRPN upstream reading frame (SNURF) polypeptide. The SNRPN gene is transcribed exclusively from the paternally inherited chromosome and shows highest expression in brain and heart. SNRPN may play a role in etiology of Prader-Willi syndrome. This antibody recognizes SNRPN and SNRPB due to high amino acid sequence homology.

## 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:

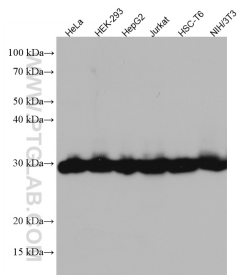
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

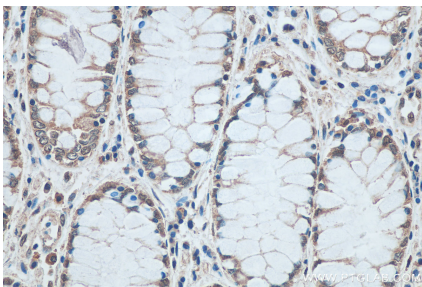
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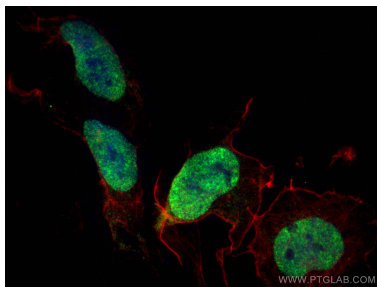
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67280-1-Ig (SNRPN/SNRPB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67280-1-Ig (SNRPN/SNRPB antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using SNRPN/SNRPB antibody (67280-1-Ig, Clone: 1H2F4 ) at dilution of 1:2000 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-phalloidin (red).