

# Anti-SNRPN Antibody

Catalog # ABO11082

## Product Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC-P, ICC                                                                                                                                           |
| <b>Primary Accession</b> | <a href="#">P63162</a>                                                                                                                                   |
| <b>Host</b>              | Rabbit                                                                                                                                                   |
| <b>Reactivity</b>        | Human, Mouse, Rat                                                                                                                                        |
| <b>Clonality</b>         | Polyclonal                                                                                                                                               |
| <b>Format</b>            | Lyophilized                                                                                                                                              |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Small nuclear ribonucleoprotein-associated protein N(SNRPN) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                     |

## Additional Information

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| <b>Gene ID</b>                  | 6638                                                                                                                                                                                                              |
| <b>Other Names</b>              | Small nuclear ribonucleoprotein-associated protein N, snRNP-N, Sm protein D, Sm-D, Sm protein N, Sm-N, SmN, Tissue-specific-splicing protein, SNRPN, HCERN3, SMN                                                  |
| <b>Calculated MW</b>            | 24614                                                                                                                                                                                                             |
| <b>Application Details</b>      | Immunocytochemistry , 0.5-1 $\mu$ g/ml, Human, Mouse, Rat<br>Immunohistochemistry(Paraffin-embedded Section), 0.5-1 $\mu$ g/ml, Human, Rat, Mouse, By Heat<br>Western blot, 0.1-0.5 $\mu$ g/ml, Human, Rat, Mouse |
| <b>Subcellular Localization</b> | Nucleus.                                                                                                                                                                                                          |
| <b>Tissue Specificity</b>       | Expressed in brain and lymphoblasts. .                                                                                                                                                                            |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                         |
| <b>Protein Name</b>             | Small nuclear ribonucleoprotein-associated protein N(snRNP-N)                                                                                                                                                     |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub> .                                                                                      |
| <b>Immunogen</b>                | A synthetic peptide corresponding to a sequence at the N-terminus of human SNRPN(31-48aa FKAFDKHMNLILCDCDEF), identical to the related rat and mouse sequences.                                                   |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                                                      |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cross Reactivity</b> | No cross reactivity with other proteins                                                                                                                                            |
| <b>Storage</b>          | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |

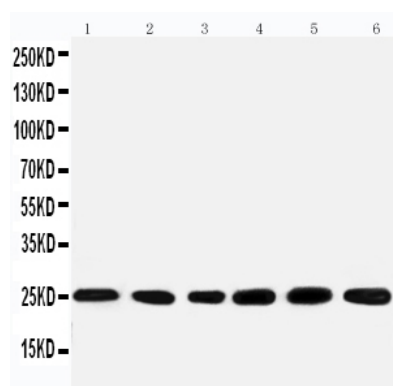
## Protein Information

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| <b>Name</b>              | SNRPN                                                                 |
| <b>Synonyms</b>          | HCERN3, SMN                                                           |
| <b>Function</b>          | May be involved in tissue-specific alternative RNA processing events. |
| <b>Cellular Location</b> | Nucleus.                                                              |
| <b>Tissue Location</b>   | Expressed in brain and lymphoblasts.                                  |

## Background

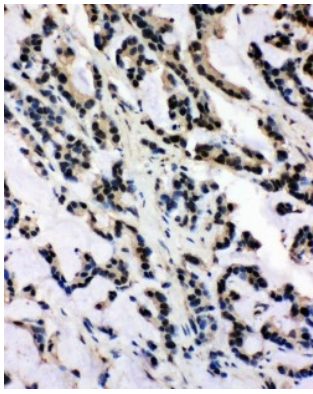
SNRPN (Small Nuclear Ribonucleoprotein Polypeptide N), also called SMN, is a bicistronic imprinted gene that encodes 2 polypeptides, the SmN splicing factor, which is involved in RNA processing, and the SNRPN upstream reading frame (SNURF) polypeptide. The protein encoded by this gene is one polypeptide of a small nuclear ribonucleoprotein complex and belongs to the snRNP SMB/SMN family. SNRPN also encodes a long alternatively spliced transcript containing several small nucleolar RNAs (snoRNAs) and extends downstream to partially overlap the UBE3A gene in the antisense orientation. PWS arises from loss of function of genes in this region expressed exclusively from the paternal chromosome, suggesting that SNRPN may play a role in its etiology. The SNRPN gene is mapped on 15q11.2. Analysis of maternal DNA and of SNRPN cDNA confirmed that the maternal allele is not expressed in fetal brain and heart. Deletions in the transcription unit of the imprinted SNRPN gene occur in patients who have PWS or Angelman syndrome because of a parental imprint switch failure in this chromosomal domain.

## Images



Anti-SNRPN antibody, ABO11082, Western blotting  
Lane 1: Rat kidney Tissue Lysate  
Lane 2: U87 Cell Lysate  
Lane 3: U87 Cell Lysate  
Lane 4: HELA Cell Lysate  
Lane 5: HMY Cell Lysate  
Lane 6: NEUR Cell Lysate

Anti-SNRPN antibody, ABO11082, IHC(P)  
IHC(P): Human Intestinal Cancer Tissue



Anti-SNRPN antibody, ABO11082, ICCICC: HELA Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.