

**SNRPN Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14532a****Specification**

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**SNRPN Antibody (N-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">P63162</a>
Other Accession	<a href="#">P63164</a> , <a href="#">P63163</a> , <a href="#">Q60HD3</a> , <a href="#">Q17QN3</a> , <a href="#">NP_073716.1</a> , <a href="#">NP_073717.1</a>
Reactivity	Human
Predicted	Bovine, Monkey, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24614
Antigen Region	34-62

**SNRPN Antibody (N-term) - Additional Information****Gene ID** 6638**Other Names**

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

**Target/Specificity**

This SNRPN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-62 amino acids from the N-terminal region of human SNRPN.

**Dilution**

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SNRPN Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SNRPN Antibody (N-term) - Protein Information**

**Name** SNRPN

**Synonyms** HCERN3, SMN

**Function** May be involved in tissue-specific alternative RNA processing events.

**Cellular Location**

Nucleus.

**Tissue Location**

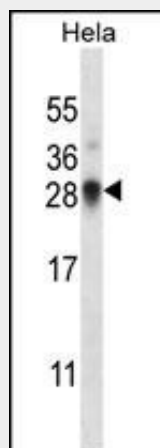
Expressed in brain and lymphoblasts.

### SNRPN Antibody (N-term) - Protocols

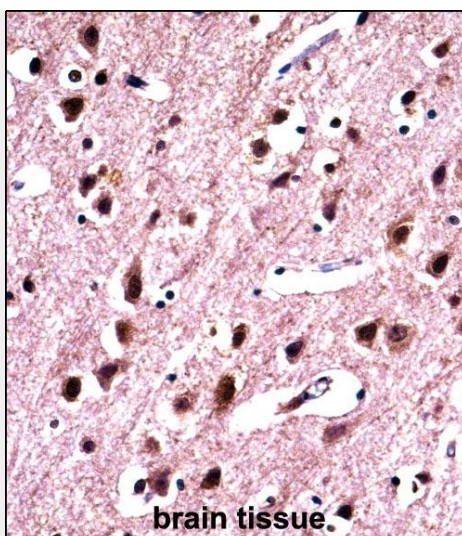
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SNRPN Antibody (N-term) - Images



SNRPN Antibody (N-term) (Cat. #AP14532a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the SNRPN antibody detected the SNRPN protein (arrow).



SNRPN Antibody (N-term) (AP14532a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SNRPN Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **SNRPN Antibody (N-term) - Background**

The protein encoded by this gene is one polypeptide of a small nuclear ribonucleoprotein complex and belongs to the snRNP SMB/SMN family. The protein plays a role in pre-mRNA processing, possibly tissue-specific alternative splicing events. Although individual snRNPs are believed to recognize specific nucleic acid sequences through RNA-RNA base pairing, the specific role of this family member is unknown. The protein arises from a bicistronic transcript that also encodes a protein identified as the SNRPN upstream reading frame (SNURF). Multiple transcription initiation sites have been identified and extensive alternative splicing occurs in the 5' untranslated region. Additional splice variants have been described but sequences for the complete transcripts have not been determined. The 5' UTR of this gene has been identified as an imprinting center. Alternative splicing or deletion caused by a translocation event in this paternally-expressed region is responsible for Angelman syndrome or Prader-Willi syndrome due to parental imprint switch failure.

#### **SNRPN Antibody (N-term) - References**

Benetatos, L., et al. Leuk. Res. 34(2):148-153(2010)  
Kim, S.J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (7), 1116-1125 (2008) :  
Horsthemke, B., et al. Am. J. Med. Genet. A 146A (16), 2041-2052 (2008) :  
Runte, M., et al. Hum. Mol. Genet. 10(23):2687-2700(2001)  
Kuslich, C.D., et al. Am. J. Hum. Genet. 64(1):70-76(1999)