

Rabbit SNRPN Polyclonal Antibody | anti-SNRPN antibody

SNRPN Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287355	Rabbit	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

SNRPN; Polyclonal Antibody; SNRPN Antibody (N-term); Small nuclear ribonucleoprotein-associated protein N; snRNP-N; Sm protein D; Sm-D; Sm protein N; Sm-N; SmN; Tissue-specific-splicing protein; HCERN3; SMN; anti-SNRPN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	34-62
Sequence Length	244
Applicable Applications for anti-SNRPN antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

SNRPN Antibody (N-term) (AAA287355) 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.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-SNRPN antibody	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.
Product Categories/Family for anti-SNRPN antibody	Cell Biology
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507135
NCBI GeneID	6638
NCBI Accession #	NP_003088.1; NP_073716.1; NP_073717.1; NP_073718.1; NP_073719.1
NCBI GenBank Nucleotide #	NM_003097.3
UniProt Accession #	P63162; P14648; P17135; Q0D2Q5; B3KVR1
Molecular Weight	24614
NCBI Official Full Name	small nuclear ribonucleoprotein-associated protein N
NCBI Official Synonym Full Names	small nuclear ribonucleoprotein polypeptide N
NCBI Official Symbol	SNRPN
NCBI Official Synonym Symbols	SMN; PWCR; SM-D; sm-N; RT-LI; HCERN3; SNRNP-N; SNURF-SNRPN
NCBI Protein Information	small nuclear ribonucleoprotein-associated protein N
UniProt Protein Name	Small nuclear ribonucleoprotein-associated protein N
UniProt Gene Name	SNRPN
UniProt Synonym Gene Names	HCERN3; SMN; snRNP-N; Sm-D; Sm-N; SmN
UniProt Entry Name	RSMN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.