Product Name: SNRPN Rabbit Polyclonal Antibody
Catalog #: APRab18065
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	26kDa

Antigen Information

Gene Name	SNRPN
Alternative Names	SNRPN; HCERN3; SMN; Small nuclear ribonucleoprotein-associated protein N; snRNP-N; Sm protein D; Sm-D; Sm protein N; Sm-N; SmN; Tissue-specific-splicing protein
Gene ID	6638.0
SwissProt ID	P63162
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human SNRPN. AA range:21-70

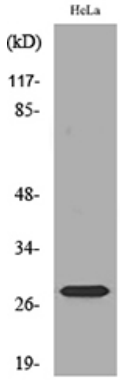
Background

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 splicidisease:Patients with the autoimmune disease systemic lupus erythematosus (SLE) have autoantibodies directed against some of the individual snRNP polypeptides. The most common autoantigen is called Sm. N bears Sm epitopes.,function:May be involved in tissue-specific alternative RNA processing events.,miscellaneous:Encoded on a bicistronic transcript that encode for two proteins, SNRPN and SNURF.,miscellaneous:Encoded on a bicistronic transcript that encode for two proteins, SNRPN and SNURF. In addition to the primary 1.6-kb bicistronic SNURF-SNRPN transcript, SNURF-only transcript is also detected.,similarity:Belongs to the snRNP SmB/SmN family.,similarity:Belongs to the SNURF family.,subunit:Interacts with TDRD3.,tissue specificity:Expressed in brain and lymphoblasts.,tissue specificity:Expressed in heart, skeletal muscle and lymphoblasts (at protein level). Expressed in brain, pancreas, heart, liver, lung, kidney and skeletal muscle.,

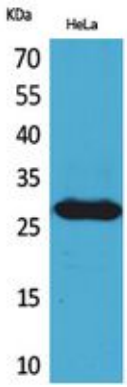
Research Area

Translation Ribosome; Epigenetics and Nuclear Signaling; DNA / RNA; RNA Processing

Image Data



Western blot analysis of lysate from HeLa cells, using SNRPN Antibody.



Western Blot analysis of HeLa cells using SNRPN Polyclonal Antibody.. Secondary antibody was diluted at 1:20000.