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Anti-SNRPN Picoband Antibody

Catalog # ABO12131

Product Information

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

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
Calculated MW	24614
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 □g/ml, Human, Mouse, Rat
Subcellular Localization	Nucleus.
Tissue Specificity	Expressed in brain and lymphoblasts. .
Source	Eukaryota
Protein Name	Small nuclear ribonucleoprotein-associated protein N
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SNRPN (11-39aa QHIDYRMRCILQDGRIFIGTFKAFDKHMN), identical to the related mouse and rat sequences.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20˚C for one year. After r˚Constitution, 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.

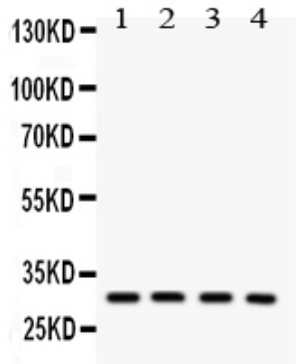
Protein Information

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.

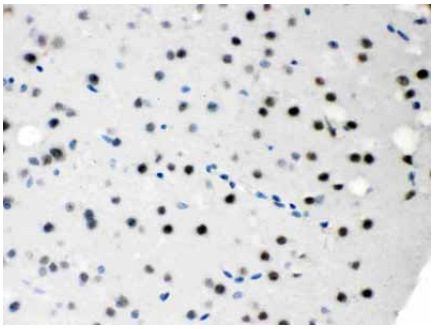
Background

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.

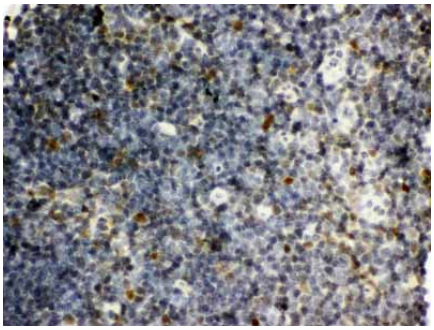
Images



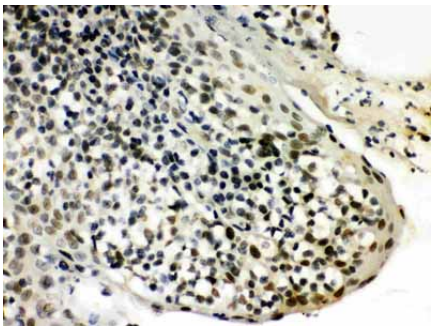
Anti- SNRPN Picoband antibody, ABO12131, Western blottingAll lanes: Anti SNRPN (ABO12131) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: HEPG2 Whole Cell Lysate at 40ugLane 4: HEPA Whole Cell Lysate at 40ugPredicted bind size: 25KDObserved bind size: 32KD



Anti- SNRPN Picoband antibody, ABO12131, IHC(P)IHC(P): Mouse Brain Tissue



Anti- SNRPN Picoband antibody, ABO12131, IHC(P)IHC(P): Rat Thymus Tissue



Anti- SNRPN Picoband antibody, ABO12131, IHC(P)IHC(P): Human Tonsil Tissue