10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-SNRPN Picoband Antibody

Catalog # ABO12131

Specification

Anti-SNRPN Picoband Antibody - Product Information

Application	**WB, IHC**
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.

Anti-SNRPN Picoband Antibody - Additional Information

Gene ID 6638;8926

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 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Nucleus.

Tissue Specificity
Expressed in brain and lymphoblasts. .

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.**

Anti-SNRPN Picoband Antibody - 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.

Anti-SNRPN Picoband Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-SNRPN Picoband Antibody - Images

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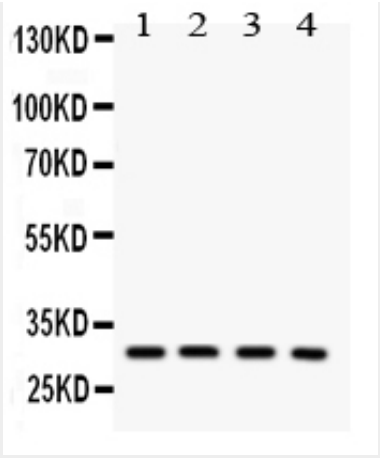
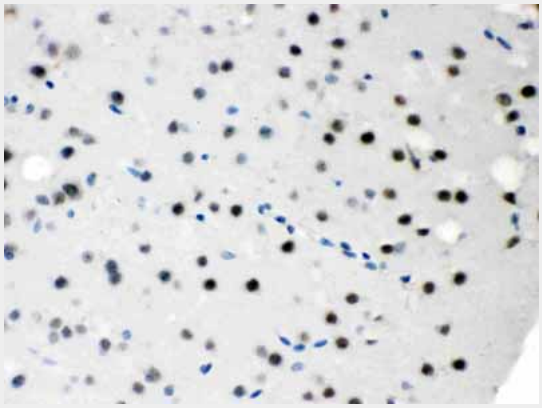
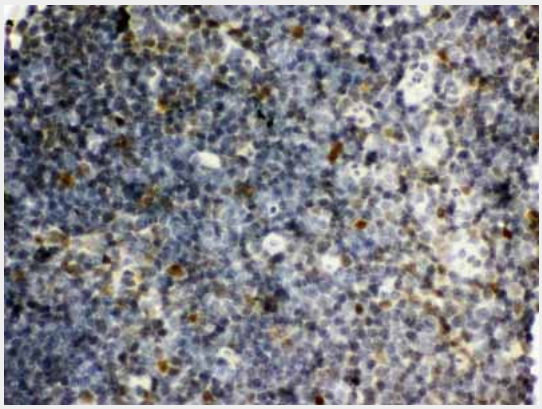


Anti- SNRPN Picoband antibody, ABO12131, Western blottingAll lanes: Anti SNRPN (ABO12131) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: HEPG2 Whole Cell Lysate at 40ugLane 4: HEPA Whole Cell Lysate at 40ugPredicted bind size: 25KDObserved bind size: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

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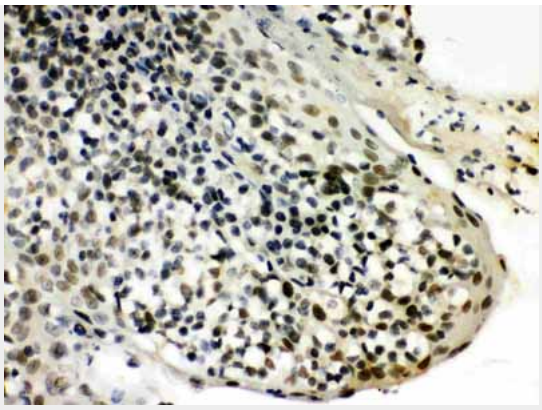

Anti- SNRPN Picoband antibody, ABO12131, IHC(P)IHC(P): Human Tonsil Tissue

Anti-SNRPN Picoband Antibody - 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.