Datasheet for ABIN3044164

anti-SNRPN antibody (N-Term)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	SNRPN
Binding Specificity:	AA 31-48, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Small nuclear ribonucleoprotein-associated protein N(SNRPN) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human SNRPN(31-48aa FKAFDKHMNLILCDCDEF), identical to the related rat and mouse sequences.
Sequence:	FKAFDKHMNL ILCDCDEF
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Small nuclear ribonucleoprotein-associated protein

Product Details

	N(SNRPN) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: small nuclear ribonucleoprotein polypeptide N Protein Name: Small nuclear ribonucleoprotein-associated protein N(snRNP-N)
Purification:	Immunogen affinity purified.

Target Details

Target:	SNRPN
Alternative Name:	SNRPN (SNRPN Products)
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. Synonyms: HCERN3 antibody|PWCR antibody|RSMN_HUMAN antibody|RT LI antibody|RTLI antibody|SM D antibody|Sm N antibody|Sm protein D antibody|Sm protein N antibody|Sm-D antibody|Sm-N antibody|Small nuclear ribonucleoprotein associated protein N antibody|Small nuclear ribonucleoprotein polypeptide N antibody|Small nuclear ribonucleoprotein-associated protein N antibody|SMD antibody|SmN antibody|SNRNP N antibody|snRNP-N antibody|SNRNPN antibody|SNRPN antibody|SNURF SNRPN antibody|Tissue specific splicing protein antibody|Tissue-specific-splicing protein antibody
UniProt:	P63162

Application Details

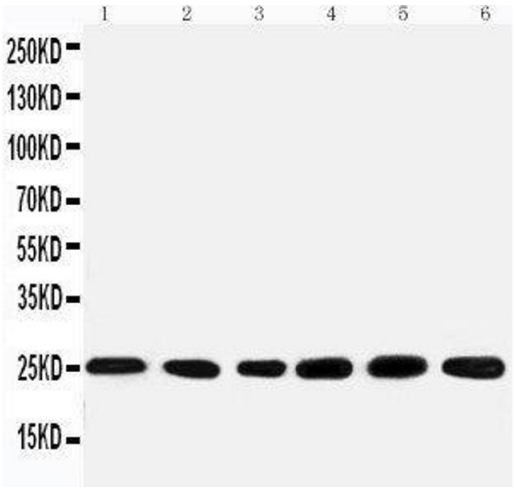
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Rat, Predicted Species: Mouse

Application Details

	IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.
Restrictions:	For Research Use only

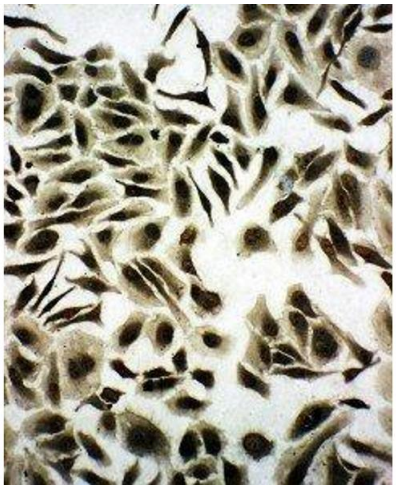
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, 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.
Expiry Date:	12 months



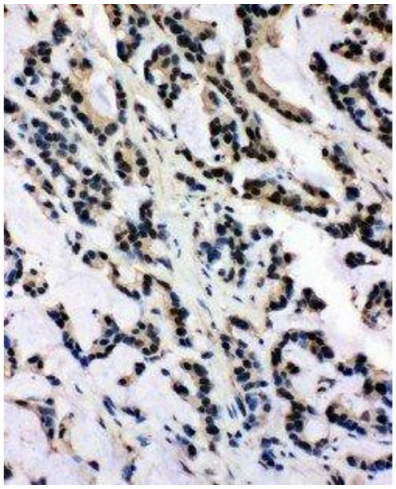
Western Blotting

Image 1. Anti-SNRPN antibody, Western blotting Lane 1: Rat kidney Tissue Lysate Lane 2: U87 Cell Lysate Lane 3: U87 Cell Lysate Lane 4: HELA Cell Lysate Lane 5: HMY Cell Lysate Lane 6: NEUR Cell Lysate



Immunohistochemistry

Image 2. Anti-SNRPN antibody, ICC ICC: HELA Cell



Immunohistochemistry

Image 3. Anti-SNRPN antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue