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# SNRPC Antibody (C-term)

**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AW5526**

## Specification

### SNRPC Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB, IHC-P, FC,E** |
| Primary Accession | P09234 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **H=17;M=17;R=17 KDa** |
| Isotype | **Rabbit IgG** |
| Antigen Source | **HUMAN** |

### SNRPC Antibody (C-term) - Additional Information

**Gene ID** 6631

**Antigen Region**
148-179

**Other Names**
U1 small nuclear ribonucleoprotein C {ECO:0000255|HAMAP-Rule:MF_03153}, U1 snRNP C {ECO:0000255|HAMAP-Rule:MF_03153}, U1-C {ECO:0000255|HAMAP-Rule:MF_03153}, U1C {ECO:0000255|HAMAP-Rule:MF_03153}, SNRPC {ECO:0000255|HAMAP-Rule:MF_03153}

**Dilution**
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

**Target/Specificity**
This SNRPC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 148-179 amino acids from the C-terminal region of human SNRPC.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
SNRPC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### SNRPC Antibody (C-term) - Protein Information

**Name** SNRPC {ECO:0000255|HAMAP-Rule:MF_03153}

**Function**
Component of the spliceosomal U1 snRNP, which is essential for recognition of the pre-mRNA 5' splice-site and the subsequent assembly of the spliceosome. SNRPC/U1-C is directly involved in initial 5' splice-site recognition for both constitutive and regulated alternative splicing. The interaction with the 5' splice-site seems to precede base-pairing between the pre-mRNA and the U1 snRNA. Stimulates commitment or early (E) complex formation by stabilizing the base pairing of the 5' end of the U1 snRNA and the 5' splice-site region.

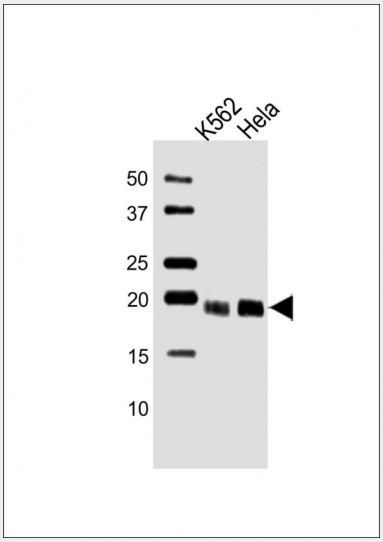
**Cellular Location**
Nucleus {ECO:0000255|HAMAP-Rule:MF_03153, ECO:0000269|PubMed:2136774}

## SNRPC Antibody (C-term) - 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

## SNRPC Antibody (C-term) - Images




All lanes : Anti-SNRPC Antibody (C-term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lane 2: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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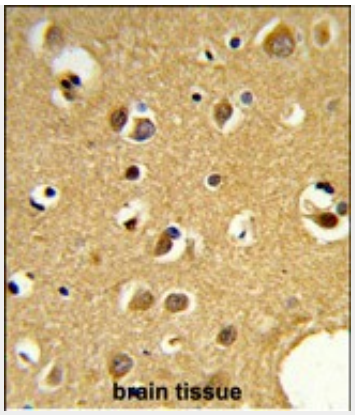
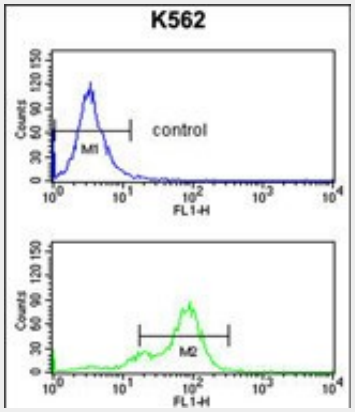



Formalin-fixed and paraffin-embedded human brain tissue reacted with SNRPC Antibody (C-term) (Cat.#AW5526), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.




SNRPC Antibody (C-term) (Cat. #AW5526) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**SNRPC Antibody (C-term) - Background**

SNRPC is associated with snRNP U1.

**SNRPC Antibody (C-term) - References**

Hochleitner,E.O., J. Biol. Chem. 280 (4), 2536-2542 (2005)
Muto,Y., J. Mol. Biol. 341 (1), 185-198 (2004)
Forch,P., EMBO J. 21 (24), 6882-6892 (2002)
Gunnewiek,J.M., Nucleic Acids Res. 23 (23), 4864-4871 (1995)

**SNRPC Antibody (C-term) - Citations**

- U1 snRNP proteins promote proximal alternative polyadenylation sites by directly interacting with 3' end processing core factors