10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SNRPC Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5526

Product Information

Application	FC, IHC-P, WB
Primary Accession	P09234
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17394
Isotype	Rabbit IgG
Antigen Source	HUMAN

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	FC~~1:10~50 IHC-P~~1:100~500 WB~~1:1000
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.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.

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}

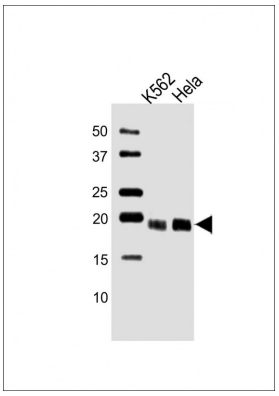
Background

SNRPC is associated with snRNP U1.

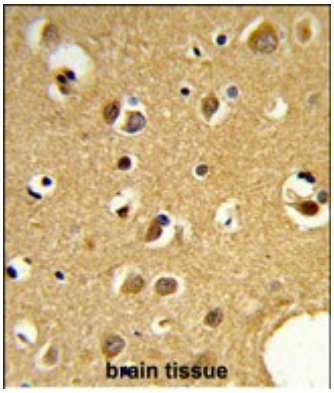
References

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)

Images

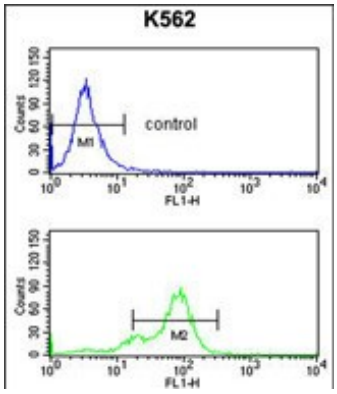


All lanes : Anti-SNRPC Antibody (C-term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lane 2: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.



Citations

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