

SNRPC (H-70): sc-292035

BACKGROUND

SNRPC (small nuclear ribonucleoprotein polypeptide C) is a 159 amino acid protein that localizes to the nucleus and contains one matrin-type zinc finger. Existing as a monomer, SNRPC associates with U1 snRNP 70 and may play a role in ribonucleoprotein-related events. The gene encoding SNRPC maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

REFERENCES

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2. Yamamoto, K., et al. 1988. Isolation and characterization of a complementary DNA expressing human U1 small nuclear ribonucleoprotein C polypeptide. *J. Immunol.* 140: 311-317.
3. Sillekens, P.T., et al. 1988. Human U1 snRNP-specific C protein: complete cDNA and protein sequence and identification of a multigene family in mammals. *Nucleic Acids Res.* 16: 8307-8321.
4. Knoop, L.L., et al. 2000. The splicing factor U1C represses EWS/FLI-mediated transactivation. *J. Biol. Chem.* 275: 24865-24871.
5. Du, H., et al. 2002. The U1 snRNP protein U1C recognizes the 5' splice site in the absence of base pairing. *Nature* 419: 86-90.
6. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 603522. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
7. Muto, Y., et al. 2004. The structure and biochemical properties of the human spliceosomal protein U1C. *J. Mol. Biol.* 341: 185-198.

CHROMOSOMAL LOCATION

Genetic locus: SNRPC (human) mapping to 6p21.31; Snrpc (mouse) mapping to 17 A3.3.

SOURCE

SNRPC (H-70) is a rabbit polyclonal antibody raised against amino acids 1-70 mapping at the N-terminus of SNRPC of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-292035 X, 200 µg/0.1 ml.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

SNRPC (H-70) is recommended for detection of SNRPC of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

SNRPC (H-70) is also recommended for detection of SNRPC in additional species, including equine, canine, bovine, porcine and avian.

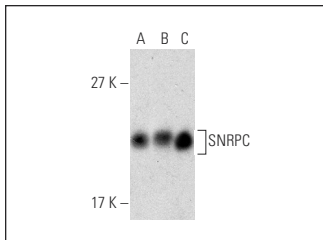
Suitable for use as control antibody for SNRPC siRNA (h): sc-95371, SNRPC siRNA (m): sc-153661, SNRPC shRNA Plasmid (h): sc-95371-SH, SNRPC shRNA Plasmid (m): sc-153661-SH, SNRPC shRNA (h) Lentiviral Particles: sc-95371-V and SNRPC shRNA (m) Lentiviral Particles: sc-153661-V.

SNRPC (H-70) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

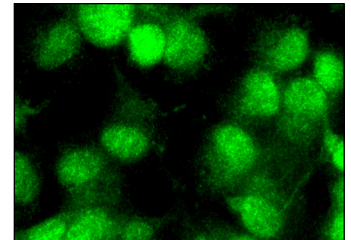
Molecular Weight of SNRPC: 17 kDa.

Positive Controls: HeLa nuclear extract: sc-2120, K-562 nuclear extract: sc-2130 or Jurkat nuclear extract: sc-2132.

DATA



SNRPC (H-70): sc-292035. Western blot analysis of SNRPC expression in HeLa (A), K-562 (B) and Jurkat (C) nuclear extracts.



SNRPC (H-70): sc-292035. Immunofluorescence staining of formalin-fixed HepG2 cells showing nuclear localization.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **SNRPC (4H12): sc-101549** or **SNRPC (C-2): sc-374428**, our highly recommended monoclonal alternatives to SNRPC (H-70).