

SNRNP70 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17045c**Specification**

SNRNP70 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P08621
Other Accession	Q62376 , Q1RMR2 , NP_003080.2
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51557
Antigen Region	195-223

SNRNP70 Antibody (Center) - Additional Information**Gene ID** 6625**Other Names**

U1 small nuclear ribonucleoprotein 70 kDa, U1 snRNP 70 kDa, U1-70K, snRNP70, SNRNP70, RNPU1Z, RPU1, SNRP70, U1AP1

Target/Specificity

This SNRNP70 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-223 amino acids from the Central region of human SNRNP70.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

SNRNP70 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SNRNP70 Antibody (Center) - Protein Information**Name** SNRNP70

Synonyms RNP1Z, RPU1, SNRP70, U1AP1

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 (PubMed:[19325628](#), PubMed:[25555158](#)). SNRP70 binds to the loop I region of U1-snRNA (PubMed:[19325628](#), PubMed:[2467746](#), PubMed:[25555158](#)).

Cellular Location

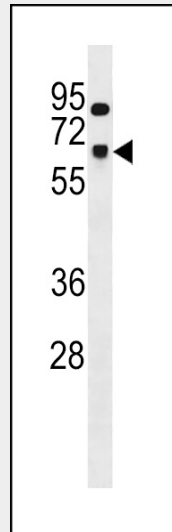
Nucleus speckle. Nucleus, nucleoplasm. Note=Colocalizes with SCNM1 and LUC7L2 in nuclear speckles. {ECO:000250|UniProtKB:Q62376}

SNRNP70 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SNRNP70 Antibody (Center) - Images



SNRNP70 Antibody (Center) (Cat. #AP17045c) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the SNRNP70 antibody detected the SNRNP70 protein (arrow).

SNRNP70 Antibody (Center) - Background

SNRNP70 mediates the splicing of pre-mRNA by binding to the loop I region of U1-snRNA. The truncated isoforms cannot bind U1-snRNA.

SNRNP70 Antibody (Center) - References

Spiluttini, B., et al. J. Cell. Sci. 123 (PT 12), 2085-2093 (2010) :

Tzang, B.S., et al. J. Biomed. Sci. 17, 40 (2010) :

Parente Costa, L., et al. J. Autoimmun. 33(2):121-124(2009)

Hernandez, H., et al. PLoS ONE 4 (9), E7202 (2009) :

Palafox Sanchez, C.A., et al. Arthritis Res. Ther. 11 (1), R27 (2009) :

SNRNP70 Antibody (Center) - Citations

- [Systematic Identification and Functional Validation of New snoRNAs in Human Muscle Progenitors](#)