

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

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**SNRNP70 Antibody (Center) - Product Information**

|                   |                                                                               |
|-------------------|-------------------------------------------------------------------------------|
| Application       | WB,E                                                                          |
| Primary Accession | <a href="#">P08621</a>                                                        |
| Other Accession   | <a href="#">Q62376</a> , <a href="#">Q1RMR2</a> , <a href="#">NP_003080.2</a> |
| 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, RNPUIZ, 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** RNPU1Z, 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](#)). SNRNP70 binds to the loop I region of U1-snRNA (PubMed:[19325628](#), PubMed:[2467746](#), PubMed:[25555158](#)).

**Cellular Location**

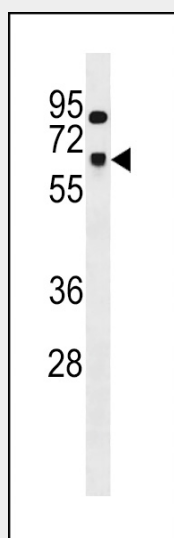
Nucleus speckle. Nucleus, nucleoplasm. Note=Colocalizes with SCNM1 and LUC7L2 in nuclear speckles. {ECO:0000250|UniProtKB:Q62376}

**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](#)