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SNRNP70 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17045c

Product Information

Application	WB, E
Primary Accession	P08621
Other Accession	Q62376, Q1RMR2, NP_003080.2
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36840
Calculated MW	51557
Antigen Region	195-223

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.

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}

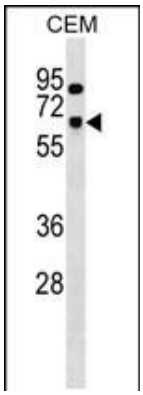
Background

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

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) :

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).

Citations

- Systematic Identification and Functional Validation of New snoRNAs in Human Muscle Progenitors

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.