

SNUPN Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16617c**Specification**

SNUPN Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O95149
Other Accession	NP_001036046.1 , NP_005692.1 , NP_001036053.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41143
Antigen Region	200-228

SNUPN Antibody (Center) - Additional Information**Gene ID** 10073**Other Names**

Snurportin-1, RNA U transporter 1, SNUPN, RNUT1, SPN1

Target/Specificity

This SNUPN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-228 amino acids from the Central region of human SNUPN.

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

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

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

Synonyms RNUT1, SPN1

Function Functions as an U snRNP-specific nuclear import adapter. Involved in the trimethylguanosine (m3G)-cap-dependent nuclear import of U snRNPs. Binds specifically to the terminal m3G-cap U snRNAs.

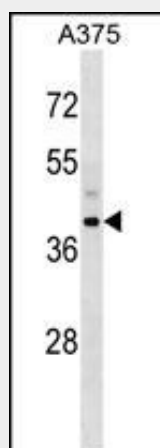
Cellular Location

Nucleus. Cytoplasm Note=Nucleoplasmic shuttling protein. Its nuclear import involves the nucleocytoplasmic transport receptor importin beta (PubMed:10209022, PubMed:12095920). It is re-exported to the cytoplasm by the XPO1- dependent nuclear export receptor pathway (PubMed:10209022)

SNUPN 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](#)

SNUPN Antibody (Center) - Images

SNUPN Antibody (Center) (Cat. #AP16617c) western blot analysis in A375 cell line lysates (35ug/lane). This demonstrates the SNUPN antibody detected the SNUPN protein (arrow).

SNUPN Antibody (Center) - Background

The nuclear import of the spliceosomal snRNPs U1, U2, U4 and U5, is dependent on the presence of a complex nuclear localization signal. The latter is composed of the 5'-2,2,7-terminal trimethylguanosine (m3G) cap structure of the U snRNA and the Sm core domain. The protein encoded by this gene interacts specifically with m3G-cap and functions as an snRNP-specific nuclear import receptor. Alternatively spliced transcript variants encoding the same protein have been identified

for this gene.

SNUPN Antibody (Center) - References

Goette, M., et al. Biophys. J. 97(2):581-589(2009)
Monecke, T., et al. Science 324(5930):1087-1091(2009)
Ospina, J.K., et al. Mol. Biol. Cell 16(10):4660-4671(2005)
Stelzl, U., et al. Cell 122(6):957-968(2005)
Strasser, A., et al. EMBO J. 24(13):2235-2243(2005)