

SNUPN Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16617c**Specification**

SNUPN Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O95149](#)

SNUPN Antibody (Center) Blocking Peptide - Additional Information

Gene ID 10073

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SNUPN Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SNUPN Antibody (Center) Blocking Peptide - Images

SNUPN Antibody (Center) Blocking Peptide - 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 UsnRNA 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) Blocking Peptide - 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)