

SLU7 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18404a**Specification**

SLU7 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O95391](#)**SLU7 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 10569

Other Names

Pre-mRNA-splicing factor SLU7, hSlu7, SLU7

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.

SLU7 Antibody (N-term) Blocking Peptide - Protein Information

Name SLU7

Function

Required for pre-mRNA splicing as component of the spliceosome (PubMed:10197984, PubMed:28502770, PubMed:30705154). Participates in the second catalytic step of pre-mRNA splicing, when the free hydroxyl group of exon I attacks the 3'-splice site to generate spliced mRNA and the excised lariat intron. Required for holding exon 1 properly in the spliceosome and for correct AG identification when more than one possible AG exists in 3'-splicing site region. May be involved in the activation of proximal AG. Probably also involved in alternative splicing regulation.

Cellular Location

Nucleus. Nucleus speckle. Cytoplasm Note=Predominantly nuclear. Shuttling between the nucleus and the cytoplasm is regulated by the CCHC-type zinc finger. Upon UV-C stress stimulus, the nuclear concentration of the protein decreases, affecting alternative splicing. Translocates from the nucleus to the cytoplasm after heat shock cell treatment. Accumulates in cytoplasmic vesicle-like organelles after heat shock treatment, which may represent stress granules.

SLU7 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SLU7 Antibody (N-term) Blocking Peptide - Images

SLU7 Antibody (N-term) Blocking Peptide - Background

Pre-mRNA splicing occurs in two sequential transesterification steps. The protein encoded by this gene is a splicing factor that has been found to be essential during the second catalytic step in the pre-mRNA splicing process. It associates with the spliceosome and contains a zinc knuckle motif that is found in other splicing factors and is involved in protein-nucleic acid and protein-protein interactions. [provided by RefSeq].

SLU7 Antibody (N-term) Blocking Peptide - References

Alberstein, M., et al. RNA 13(11):1988-1999(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006) Shomron, N., et al. J. Cell. Sci. 118 (PT 6), 1151-1159 (2005) :Shomron, N., et al. Mol. Biol. Cell 15(8):3782-3795(2004) Chua, K., et al. Mol. Cell. Biol. 21(5):1509-1514(2001)