10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

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

Primary 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.

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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 sequentialtransesterification steps. The protein encoded by this gene is asplicing factor that has been found to be essential during thesecond catalytic step in the pre-mRNA splicing process. Itassociates with the spliceosome and contains a zinc knuckle motifthat is found in other splicing factors and is involved inprotein-nucleic acid and protein-protein interactions. [provided byRefSeq].

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)