

**SLU7 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18404a****Specification**

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**SLU7 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O95391</a>
Other Accession	<a href="#">O3KOD1</a> , <a href="#">O80ZG5</a> , <a href="#">O8BHJ9</a> , <a href="#">O4R4P2</a> , <a href="#">O5U3F2</a> , <a href="#">O5ZIG2</a> , <a href="#">O3ZBE5</a> , <a href="#">NP_006416.3</a>
Reactivity	Human
Predicted	Bovine, Chicken, Zebrafish, Monkey, Mouse, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68387
Antigen Region	60-86

**SLU7 Antibody (N-term) - Additional Information****Gene ID** 10569**Other Names**

Pre-mRNA-splicing factor SLU7, hSlu7, SLU7

**Target/Specificity**

This SLU7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 60-86 amino acids from the N-terminal region of human SLU7.

**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**

SLU7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SLU7 Antibody (N-term) - 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.

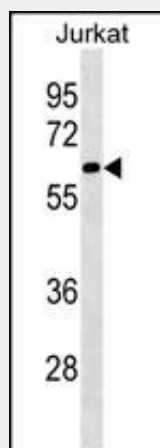
**Cellular Location**

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) - 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](#)

**SLU7 Antibody (N-term) - Images**

SLU7 Antibody (N-term) (Cat. #AP18404a) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the SLU7 Antibody detected the SLU7 protein (arrow).

**SLU7 Antibody (N-term) - 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) - 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)  
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