

SLU7 Polyclonal Antibody

Catalog # AP72505

Product Information

Application	WB
Primary Accession	<u>095391</u>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68387

Additional Information

Gene ID	10569
Other Names	SLU7; Pre-mRNA-splicing factor SLU7; hSlu7
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	SLU7
Function	Required for pre-mRNA splicing as component of the spliceosome (PubMed: <u>10197984</u> , PubMed: <u>28502770</u> , PubMed: <u>30705154</u>). 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.

Background

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Images



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