

Slu7 antibody - middle region Rabbit Polyclonal Antibody Catalog # Al13382

Specification

Slu7 antibody - middle region - Product Information

Application Primary Accession Other Accession Reactivity

Predicted

Host Clonality Calculated MW WB <u>O8BHJ9</u> <u>NM_148673</u>, <u>NP_683514</u> Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog Human, Mouse, Rat, Rabbit, Chicken, Horse, Bovine, Guinea Pig, Dog Rabbit Polyclonal 64kDa KDa

Slu7 antibody - middle region - Additional Information

Gene ID 193116

Alias Symbol

AU018913, D11Ertd730e, D3Bwg0878e, MGC31026, RP23-26M1.8

Other Names Pre-mRNA-splicing factor SLU7, Slu7, D11Ertd730e

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Slu7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions Slu7 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Slu7 antibody - middle region - Protein Information

Name Slu7

Synonyms D11Ertd730e

Function

Required for pre-mRNA splicing as component of the spliceosome. 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 {ECO:0000250|UniProtKB:O95391}. Nucleus speckle {ECO:0000250|UniProtKB:O95391}. Cytoplasm {ECO:0000250|UniProtKB:O95391}. 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 {ECO:0000250|UniProtKB:O95391}

Slu7 antibody - middle region - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Slu7 antibody - middle region - Images

	90 kDa		
	65 kDa		
	40 kDa		
	29 kDa		
	22 kDa		
B Suggested Anti-Slu7 Anti	body Titration: 1.0 µg/m	nl	
ositive Control: Mouse Kidne			

Slu7 antibody - middle region - References

Carninci P., et al.Science 309:1559-1563(2005). Church D.M., et al.PLoS Biol. 7:E1000112-E1000112(2009). Trost M., et al.Immunity 30:143-154(2009).