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Slu7 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13382

Product Information

Application	WB
Primary Accession	Q8BHJ9
Other Accession	NM_148673, NP_683514
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68080

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.

Protein Information

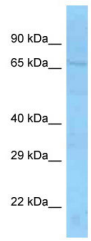
Name	Slu7
Synonyms	D11Ertd730e
Function	Required for pre-mRNA splicing as component of the spliceosome. Participates in the second catalytic step of pre-mRNA splicing, when the free hydroxyl group of exon I attacks the 3'-splice site to generate spliced mRNA and the excised lariat intron. Required for 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}

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).

Images



WB Suggested Anti-Slu7 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Kidney