Product Name: SLU7 Rabbit Polyclonal Antibody
Catalog #: APRab17983

Summary

Production Name	SLU7 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SLU7
Alternative Names	SLU7; Pre-mRNA-splicing factor SLU7; hSlu7
Gene ID	10569.0
SwissProt ID	O95391.The antiserum was produced against synthesized peptide derived from human SLU7. AA range:113-162

Application

Dilution Ratio	WB 1:500-2000
Molecular Weight	65kD

Background

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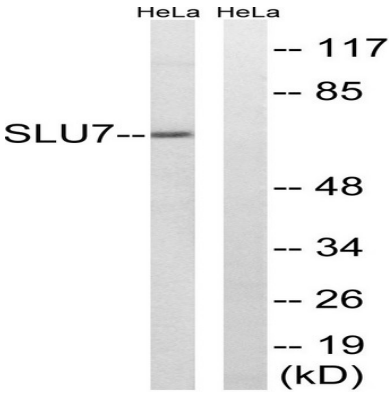
Pre-mRNA splicing occurs in two sequential transesterification steps. The protein encoded by this gene is a splicing factor that has been found to be essential during the second catalytic step in the pre-mRNA splicing process. It associates with the spliceosome and contains a zinc knuckle motif that is found in other splicing factors and is involved in protein-nucleic acid and protein-protein interactions. [provided by RefSeq, Jul 2008],domain:The CCHC-type zinc finger is required to retain the protein within the nucleus and prevent its shuttle back to the cytoplasm via the CRM1 pathway.,function: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.,similarity:Belongs to the SLU7 family.,similarity:Contains 1 CCHC-type zinc finger.,subcellular location: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.,subunit:Component of late spliceosomal complexes. Associates with the spliceosome prior to recognition of the 3'-splice site for step II, probably during catalysis of step I.,

Research Area

Spliceosome;

Image Data



Western blot analysis of lysates from HeLa cells, using SLU7 Antibody. The lane on the right is blocked with the synthesized peptide.

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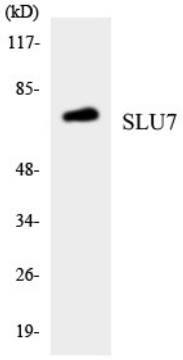
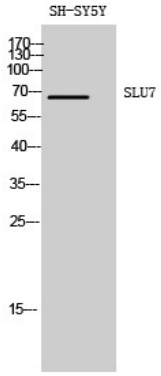


Western blot analysis of the lysates from HepG2 cells using SLU7 antibody.



Western Blot analysis of SH-SY5Y cells using SLU7 Polyclonal Antibody diluted at 1：1000

Note

For research use only.