



SLU7 Polyclonal Antibody

Catalog No	BYab-02013
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC
Gene Name	SLU7
Protein Name	Pre-mRNA-splicing factor SLU7
Immunogen	The antiserum was produced against synthesized peptide derived from human SLU7. AA range:113-162
Specificity	SLU7 Polyclonal Antibody detects endogenous levels of SLU7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SLU7; Pre-mRNA-splicing factor SLU7; hSlu7
Observed Band	65kD
Cell Pathway	Nucleus . Nucleus speckle . Cytoplasm . 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. .
Tissue Specificity	Colon,Epithelium,Eye,
Function	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

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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

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, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

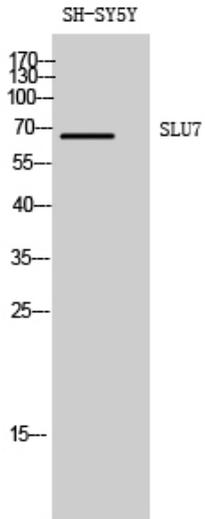
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

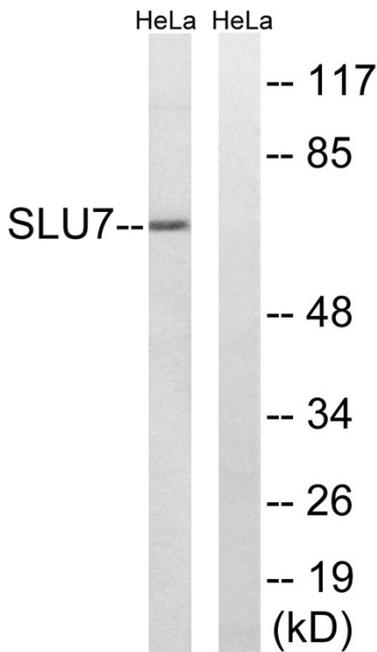
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Products Images

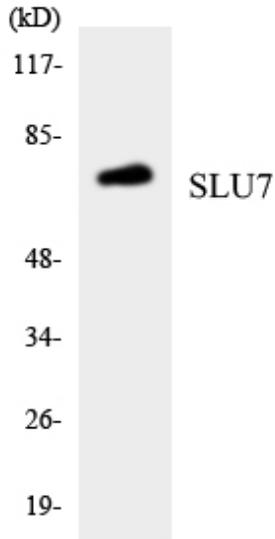


Western Blot analysis of SH-SY5Y cells using SLU7 Polyclonal Antibody diluted at 1:1000

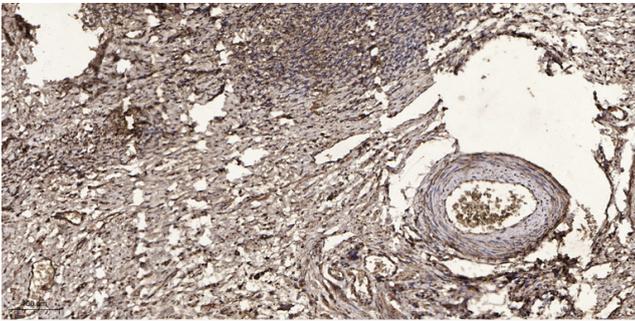


Western blot analysis of lysates from HeLa cells, using SLU7 Antibody. The lane on the right is blocked with the synthesized peptide.

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



Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).