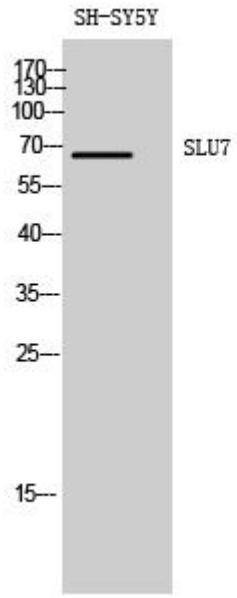
SLU7 Monoclonal Antibody

Catalog No	YP-mAb-02013
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
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 Monoclonal Antibody detects endogenous levels of SLU7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
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 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.

Products Images



Western Blot analysis of various cells using SLU7 Monoclonal Antibody