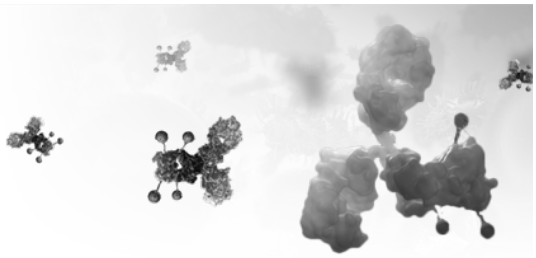

Mouse anti-Human hSlu7 monoclonal antibody, clone 46/iTmv8 (CABT-B9220)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human hSlu7 aa. 457-570
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	46/iTmv8
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF
Format	Liquid
Concentration	250 μg/ml
Size	50 μg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	Splicing, the removal of introns from pre-mRNA, is mediated by spliceosomal complexes and

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	occurs in two distinct catalytic steps. The first step involves cleavage of the 5' exon and the production of a lariat intermediate. In the second step, the 3' splice site is cleaved and the exons are fused with concomitant release of the intron lariat. The spliceosome contains multiple snRNPs and a number of non-snRNP splicing factors. Four yeast proteins (Prp16p, Prp17p, Prp18p, and Slu7p) function exclusively in the second catalytic step. Human homologs have been identified for Prp16p (hPrp16), Prp17p (hPrp17), Prp18p (hPrp18) and Slu7 (hSlu7). hSlu7 contains a zinc knuckle motif similar to the yeast Slu7. This domain is present in retroviral nucleocapsid proteins and in several splicing factors. hSlu7 associates with the spliceosome late in the splicing pathway during recognition of the 3' splice site. During step II of 3' splicing, hSlu7 tightly binds to exon 1 in the spliceosome and helps specify attack on the correct adenine-guanine dinucleotide, located 18 to 40 nucleotides downstream of the branch site.
Keywords	SLU7; SLU7 splicing factor homolog (S. cerevisiae); 9G8; hSlu7; pre-mRNA-splicing factor SLU7; splicing factor; step II splicing factor SLU7; zinc knuckle motif containing;

GENE INFORMATION

Entrez Gene ID	10569
UniProt ID	O95391

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Tel: 1-631-624-4882 Fax: 1-631-938-8221