YTDC1 mouse mAb

Catalog No	BYmab-17271
Isotype	IgG
Reactivity	Human,Rat
Applications	WB
Gene Name	YTHDC1 KIAA1966 YT521
Protein Name	YTH domain-containing protein 1 (Putative splicing factor YT521)
Immunogen	Synthesized peptide derived from human N-ternal YTDC1
Specificity	This antibody detects endogenous levels of YTDC1 at Human,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Mouse,Monoclonal
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	YTH domain-containing protein 1 (Putative splicing factor YT521)
Observed Band	
Cell Pathway	Nucleus . Nucleus speckle . Localizes to a novel subnuclear structure, the YT bodies. .
Tissue Specificity	
Function	Regulator of alternative splicing that specifically recognizes and binds N6-methyladenosine (m6A)-containing RNAs . M6A is a modification present at internal sites of mRNAs and some non-coding RNAs and plays a role in the efficiency of mRNA splicing, processing and stability . Acts as a key regulator of exon-inclusion or exon-skipping during alternative splicing via interaction with mRNA splicing factors SRSF3 and SRSF10 . Specifically binds m6A-containing mRNAs and promotes recruitment of SRSF3 to its mRNA-binding elements adjacent to m6A sites, leading to exon-inclusion during alternative splicing . In contrast, interaction with SRSF3 prevents interaction with SRSF10, a splicing factor that promotes exon skipping: this prevents SRSF10 from binding to its mRNA-binding sites close to m6A-containing regions, leading to inhibit exon skipping during alternative splicing . May also regulate

Background

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