



YTDC1 mouse mAb

Catalog No	YP-mAb-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-terminal 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 1:500-1:2000
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