

YTDC1 rabbit pAb

Catalog No :	YT8115
Reactivity :	Human;Rat
Applications :	IHC;WB
Target :	YTHDC1
Gene Name :	YTHDC1 KIAA1966 YT521
Protein Name :	YTH domain-containing protein 1 (Putative splicing factor YT521)
Human Gene Id :	91746
Human Swiss Prot No :	Q96MU7
Rat Gene Id :	170956
Rat Swiss Prot No :	Q9QY02
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 IHC 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 80kD

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

Subcellular Location : Nucleus . Nucleus speckle . Localizes to a novel subnuclear structure, the YT bodies. .

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