

## YTDC1 rabbit pAb

<b>Catalog No :</b>	YT8115
<b>Reactivity :</b>	Human;Rat
<b>Applications :</b>	IHC;WB
<b>Target :</b>	YTHDC1
<b>Gene Name :</b>	YTHDC1 KIAA1966 YT521
<b>Protein Name :</b>	YTH domain-containing protein 1 (Putative splicing factor YT521)
<b>Human Gene Id :</b>	91746
<b>Human Swiss Prot No :</b>	Q96MU7
<b>Rat Gene Id :</b>	170956
<b>Rat Swiss Prot No :</b>	Q9QY02
<b>Immunogen :</b>	Synthesized peptide derived from human N-terminal YTDC1
<b>Specificity :</b>	This antibody detects endogenous levels of YTDC1 at Human,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 IHC 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 80kD

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**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

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**Subcellular Location :**

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

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## Products Images