



# YTDC1 rabbit pAb

|                           |   |
|---------------------------|---|
| <b>Catalog No</b>         | BYab-17271  |
| <b>Isotype</b>            | IgG   |
| <b>Reactivity</b>         | Human,Rat   |
| <b>Applications</b>       | IHC,WB  |
| <b>Gene Name</b>          | YTHDC1 KIAA1966 YT521   |
| <b>Protein Name</b>       | YTH domain-containing protein 1 (Putative splicing factor YT521)  |
| <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>             | Rabbit,polyclonal   |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.   |
| <b>Dilution</b>           | WB 1:500-2000 IHC 1:50-200  |
| <b>Concentration</b>      | 1 mg/ml   |
| <b>Purity</b>             | ≥90%  |
| <b>Storage Stability</b>  | -20°C/1 year  |
| <b>Synonyms</b>           | YTH domain-containing protein 1 (Putative splicing factor YT521)  |
| <b>Observed Band</b>      |   |
| <b>Cell Pathway</b>       | Nucleus . Nucleus speckle . Localizes to a novel subnuclear structure, the YT bodies. .   |
| <b>Tissue Specificity</b> |   |
| <b>Function</b>           | 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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## 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