

[Go to Product page](#)

Datasheet for ABIN7175953
anti-YTHDC1 antibody (AA 89-153) (HRP)

Overview

Quantity:	100 µg
Target:	YTHDC1
Binding Specificity:	AA 89-153
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YTHDC1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human YTH domain-containing protein 1 protein (89-153AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	YTHDC1
Alternative Name:	YTHDC1 (YTHDC1 Products)
Background:	Background: Regulator of alternative splicing that specifically recognizes and binds N6-methyladenosine (m6A)-containing RNAs (PubMed:26318451, PubMed:26876937,

Target Details

PubMed:25242552). 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 (PubMed:26318451, PubMed:25242552). Acts as a key regulator of exon-inclusion or exon-skipping during alternative splicing via interaction with mRNA splicing factors SRSF3 and SRSF10 (PubMed:26876937). 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 (PubMed:26876937). 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 (PubMed:26876937). May also regulate alternative splice site selection (PubMed:20167602).

Aliases: YTHDC1 antibody, KIAA1966 antibody, YT521 antibody, YTH domain-containing protein 1 antibody, Splicing factor YT521 antibody, YT521-B antibody

UniProt: [Q96MU7](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.