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Datasheet for ABIN7120901 **anti-YTHDC1 antibody**

Overview

Quantity:	100 µg
Target:	YTHDC1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	YTH domain containing 1
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	YTHDC1
Alternative Name:	YTHDC1 (YTHDC1 Products)
Background:	Synonyms: KIAA1966, Putative splicing factor YT521, YT521, YT521 B, YTH domain containing 1, YTHDC1 Background: Regulator of alternative splicing that specifically recognizes and binds N6-methyladenosine(m6A)-containing RNAs (PubMed:26318451, PubMed:26876937, 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

Target Details

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).

Molecular Weight:	110 kDa
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Gene ID:	91746
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UniProt:	Q96MU7
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Application Details

Application Notes:	WB: 1:200-1:1000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
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Expiry Date:	12 months
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