anti- YTHDC1 antibody

Product Information

Catalog No.:	FNab09571
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months (Avoid repeated freeze / thaw cycles.)

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 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).

Immunogen information

Immunogen:	YTH domain containing 1
Synonyms:	KIAA1966, Putative splicing factor YT521, YT521, YT521 B, YTH domain containing 1, YTHDC1

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Observed MW: 110 kDa

Uniprot ID : Q96MU7

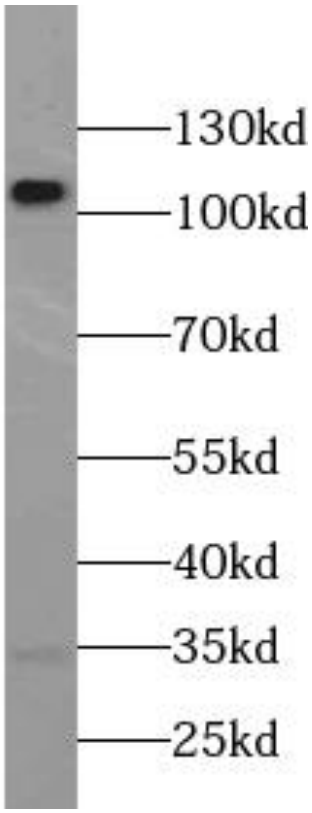
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:200-1:1000

Image:



MCF-7 cells were subjected to SDS PAGE followed by western blot with FNab09571(YTHDC1 Antibody) at dilution of 1:300

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