

anti- YTHDF2 antibody

Product Information

Catalog No.:	FNab09573
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°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Specifically recognizes and binds N6-methyladenosine(m6A)-containing RNAs, and regulates mRNA stability(PubMed:24284625, PubMed:26046440, PubMed:26318451). 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:22575960, PubMed:24284625, PubMed:25412658, PubMed:25412661). Acts as a regulator of mRNA stability: binding to m6A-containing mRNAs results in the localization to mRNA decay sites, such as processing bodies(P-bodies), leading to mRNA degradation(PubMed:24284625, PubMed:26046440). Also acts as a promoter of cap-independent mRNA translation following heat shock stress: upon stress, relocalizes to the nucleus and specifically binds mRNAs with some m6A methylation mark at their 5'-UTR, protecting demethylation of mRNAs by FTO, thereby promoting cap-independent mRNA translation(PubMed:26458103).

Immunogen information

Immunogen:	YTH domain family, member 2
Synonyms:	CLL associated antigen KW 14, HGRG8, NY REN 2, YTH domain family protein 2, YTH domain family, member 2, YTHDF2
Observed MW:	68 kDa
Uniprot ID :	Q9Y5A9

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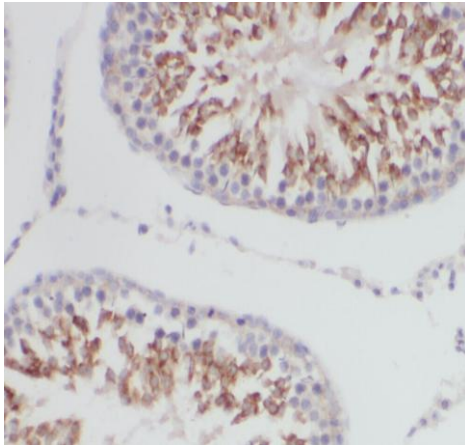
Application

Reactivity: Human, Mouse, Rat

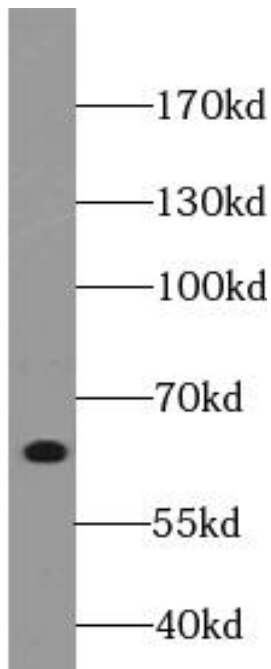
Tested Application: ELISA, WB, IF, IHC, IP

Recommended dilution: WB: 1:1000-1:10000; IF: 1:10-1:100; IP: 1:200-1:1000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human testis tissue slide using FNab09573(YTHDF2 Antibody) at dilution of 1:50



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab09573(YTHDF2 Antibody) at dilution of 1:5000

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