

TUT4 antibody

Product Information

Catalog No.:	FNab09610
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

Uridyltransferase that mediates the terminal uridylation of mRNAs with short(less than 25 nucleotides) poly(A) tails, hence facilitating global mRNA decay(PubMed:25480299). Involved in microRNA(miRNA)-induced gene silencing through uridylation of deadenylated miRNA targets. Also acts as a suppressor of miRNA biogenesis by mediating the terminal uridylation of some miRNA precursors, including that of let-7(pre-let-7), miR107, miR-143 and miR-200c. Uridylated miRNAs are not processed by Dicer and undergo degradation. Degradation of pre-let-7 contributes to the maintenance of embryonic stem(ES) cell pluripotency(By similarity). Does not bind RNA directly, but recruited to RNA targets by RNA-binding protein LIN28A. Also catalyzes the 3' uridylation of miR-26A, a miRNA that targets IL6 transcript. This abrogates the silencing of IL6 transcript, hence promoting cytokine expression(By similarity). May also suppress Toll-like receptor-induced NF-kappa-B activation via binding to T2BP. Does not play a role in replication-dependent histone mRNA degradation. Due to functional redundancy between ZCCHC6 and ZCCHC11, the identification of the specific role of each of these proteins is difficult.

Immunogen information

Immunogen:	zinc finger, CCHC domain containing 11
Synonyms:	Terminal uridylyltransferase 4 (TUTase 4) Zinc finger CCHC domain-containing protein 11 TUT4 KIAA0191 ZCCHC11
Observed MW:	185 kDa
Uniprot ID :	Q5TAX3

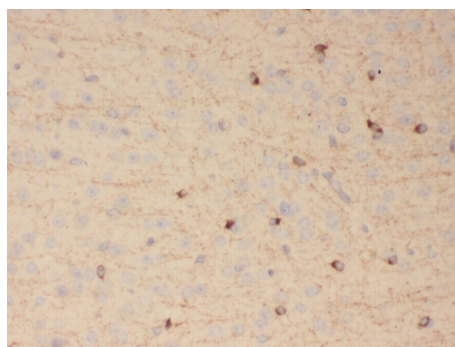
Application

Reactivity: Human

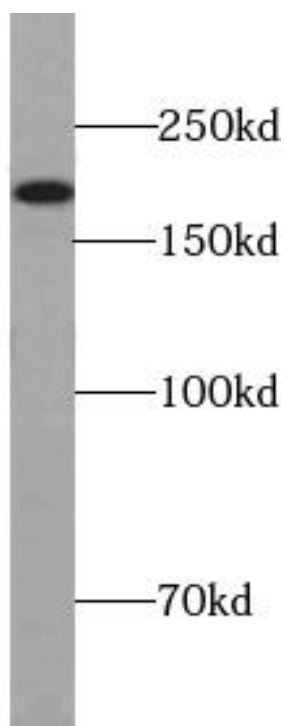
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:200-1:2000; IHC: 1:20-1:200; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human brain using FNab09610(ZCCHC11 antibody) at dilution of 1:50



HeLa cells were subjected to SDS PAGE followed by western blot with FNab09610(ZCCHC11 antibody) at dilution of 1:300