

Product Name: KD-Validated YTHDC2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00303**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 160.2kDa

Antigen Information

Gene Name	Ythdc2
Alternative Names	YTHDC2; YTH N6-Methyladenosine RNA Binding Protein C2; 3'-5' RNA Helicase YTHDC2; YTH Domain Containing 2; DKFZp564A186; FLJ10053; FLJ2194; HYTHDC2; Probable ATP-Dependent RNA Helicase YTHDC2; CsA-Associated Helicase-Like Protein; YTH Domain-Containing Protein 2; EC 3.6.4.13; EC 3.6.1; CAHL
Gene ID	64848.0
SwissProt ID	Q9H6S0
Immunogen	Recombinant protein of mouse YTHDC2

Background

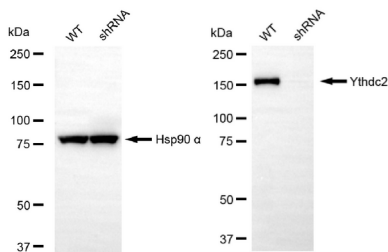
This gene encodes a member of the DEAH (Asp-Glu-Ala-His) subfamily of proteins, part of the DEAD (Asp-Glu-Ala-Asp) box

family of RNA helicases. The encoded protein binds to N6-methyladenosine, a common modified RNA nucleotide that is enriched in the stop codons and 3' UTRs of eukaryotic messenger RNAs. Binding of proteins to this modified nucleotide may regulate mRNA translation and stability. This gene may be associated with susceptibility to pancreatic cancer in human patients, and knockdown of this gene resulted in reduced proliferation in a human liver cancer cell line. [provided by RefSeq, Sep 2016]

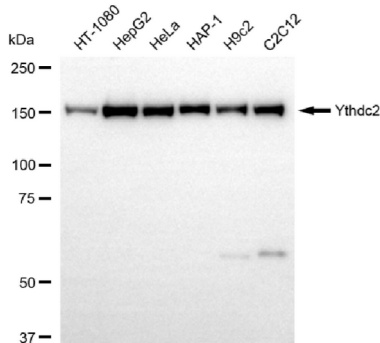
Research Area

Cell Biology

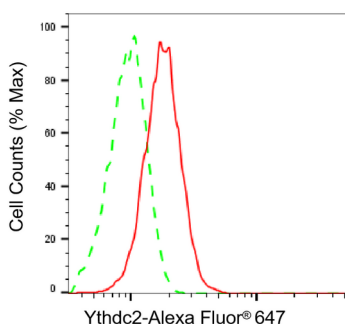
Image Data



Western blotting analysis using Ythdc2 antibody (KVA00303). Ythdc2 expression in wild-type (WT) and YTHDC2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Ythdc2 antibody (KVA00303, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Ythdc2 antibody (KVA00303). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Ythdc2 antibody (KVA00303, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Ythdc2 expression in HepG2 cells using Ythdc2 antibody (KVA00303, 1:2,000). Green, isotype control; red, Ythdc2.