

Rabbit anti-Human, Mouse YTHDF2 Polyclonal Antibody | anti-YTHDF2 antibody

YTHDF2 Antibody

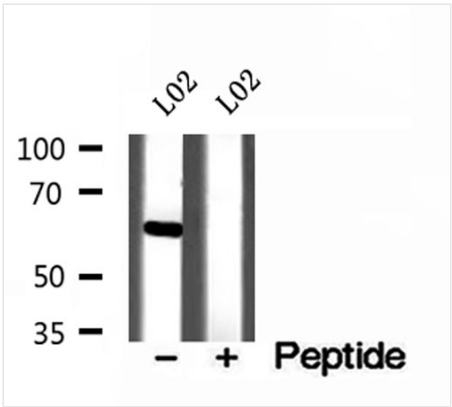
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323006	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

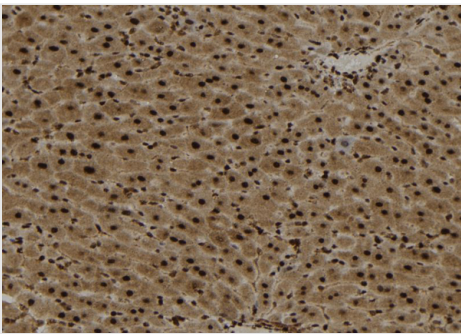
YTHDF2; Polyclonal Antibody; YTHDF2 Antibody; 9430020E02Rik; CAHL; CLL associated antigen KW 14; CLL-associated antigen KW-14; HGRG8; High glucose regulated protein 8; High-glucose-regulated protein 8; NY REN 2; Renal carcinoma antigen NY REN 2; Renal carcinoma antigen NY-REN-2; YTH domain family 2; YTH domain family member 2; YTH domain family protein 2; YTH N6 methyladenosine RNA binding protein 2; YTHD2_HUMAN; YTHDF 2; anti-YTHDF2 antibody

PRODUCT SPECIFICATIONS

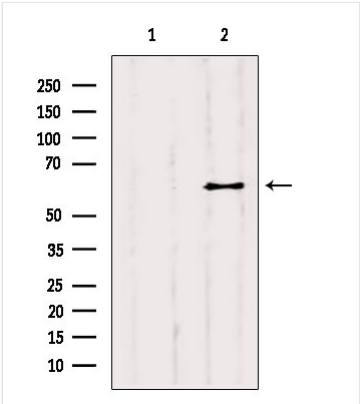
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	YTHDF2 antibody detects endogenous levels of YTHDF2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	529
Applicable Applications for anti-YTHDF2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human YTHDF2.
Subcellular Location	Cytosol; Nucleus
Tissue Specificity	Following heat shock stress.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts of L02 cells, using YTHDF2 antibody.



IHC (Immunohistochemistry)
AAA323006 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from B6F10, using YTHDF2 antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-YTHDF2 antibody

Function: 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 mRNA stability and processing (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). Required maternally to regulate oocyte maturation: probably acts by binding to m6A-containing mRNAs, thereby regulating maternal transcript dosage during oocyte maturation, which is essential for the competence of oocytes to sustain early zygotic development (By similarity). Also involved in haematopoietic stem cells specification: acts by binding to m6A-containing mRNAs, leading to decrease Notch signaling and promote endothelial to haematopoietic transition (By similarity). 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). Subunit Structure: Interacts with YTHDF3 (PubMed:28106072). Similarity: Belongs to the YTHDF2 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	290543591
NCBI GeneID	51441
NCBI Accession #	NP_001166299.1

NCBI GenBank Nucleotide #	NM_001172828.1
UniProt Accession #	Q9Y5A9 ; Q5VSZ9 ; Q8TDH0 ; Q9BUJ5 ; A6NKG4 ; A8K966 ; B4E1G7 ; D3DPM8
Molecular Weight	Observed: 62 kDa Predicted: 63 kDa
NCBI Official Full Name	YTH domain-containing family protein 2 isoform 2
NCBI Official Synonym Full Names	YTH N6-methyladenosine RNA binding protein 2
NCBI Official Symbol	YTHDF2
NCBI Official Synonym Symbols	CAHL; HGRG8; NY-REN-2
NCBI Protein Information	YTH domain-containing family protein 2
UniProt Protein Name	YTH domain-containing family protein 2
UniProt Gene Name	YTHDF2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ythdf2-antibody-immunohistochemistry-western-blot-elisa/323006>