

Rabbit YTHD2 Polyclonal Antibody | anti-YTHDF2 antibody

YTHD2 Antibody (C-term)

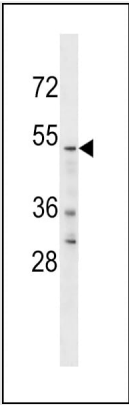
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287585	Rabbit	Human (Predicted Reactivity: Bovine, Monkey, Mouse)	ELISA, Western Blot

PRODUCT SYNONYMS

YTHD2; Polyclonal Antibody; YTHD2 Antibody (C-term); YTH domain-containing family protein 2; CLL-associated antigen KW-14; High-glucose-regulated protein 8; Renal carcinoma antigen NY-REN-2; YTHDF2; HGRG8; anti-YTHDF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This YTHD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 551-579 amino acids from the C-terminal region of human YTHD2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	551-579
Sequence Length	529
Applicable Applications for anti-YTHDF2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Other Accession	Q91YT7, Q4R5D9, Q0VCZ3, NP_001166299.1, NP_001166599.1
Function	Specifically recognizes and binds N6-methyladenosine (m6A)-containing RNAs. 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. Acts as a regulator of mRNA stability: binding to m6A-containing mRNAs results in the localization of to mRNA decay sites, such as processing bodies (P-bodies), leading to mRNA degradation.
Cellular Location	Cytoplasm, P-body
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
YTHD2 Antibody (C-term) western blot analysis in U251 cell line lysates (35ug/lane).This demonstrates the YTHD2 antibody detected the YTHD2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-YTHDF2 antibody	YTHDF2 is a member of the YTH (YT521-B homology) superfamily containing YTH domain. The YTH domain is typical for the eukaryotes and is particularly abundant in plants. The YTH domain is usually located in the middle of the protein sequence and may function in binding to RNA. In addition to a YTH domain, this protein has a proline rich region which may be involved in signal transduction. An Alu-rich domain has been identified in one of the introns of this gene, which is thought to be associated with human longevity. In addition, reciprocal translocations between this gene and the Runx1 (AML1) gene on chromosme 21 has been observed in patients with acute myeloid leukemia. This gene was initially mapped to chromosome 14, which was later turned out to be a pseudogene.
Product Categories/Family for anti-YTHDF2 antibody	Cell Biology
References	Nguyen, T.T., et al. Genes Chromosomes Cancer 45(10):918-932(2006) Cardelli, M., et al. J. Gerontol. A Biol. Sci. Med. Sci. 61(6):547-556(2006) Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Stoilov, P., et al. Trends Biochem. Sci. 27(10):495-497(2002) Scanlan, M.J., et al. Int. J. Cancer 83(4):456-464(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	290543591
NCBI GeneID	51441
NCBI Accession #	NP_001166299.1; NP_001166599.1; NP_057342.2
NCBI GenBank Nucleotide #	NM_001172828.1
UniProt Accession #	Q9Y5A9; Q5VSZ9; Q8TDH0; Q9BUJ5; A6NKG4; A8K966; B4E1G7; D3DPM8
Molecular Weight	62334
NCBI Official Full Name	YTH domain-containing family protein 2 isoform 2
NCBI Official Synonym Full Names	YTH N(6)-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
UniProt Synonym Gene Names	HGRG8
UniProt Entry Name	YTHD2_HUMAN

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/ythd2-antibody-western-blot-elisa/287585>