YTHDF2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	YTHDF2, Polyclonal Antibody
Full Product Name	YTHDF2 Antibody; FITC conjugated
Product Gene Name	anti-YTHDF2 antibody
Product Synonym Names	YTH domain-containing family protein 2; CLL-associated antigen KW-141; YTHDF2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: YTHDF2 (MBS7004753) FITC Conjugated Antibody: YTHDF2 (MBS7004510)
Molecular Weight	56,877 Da
OMIM	610640
3D Structure	ModBase 3D Structure for Q9Y5A9
Immunogen	Recombinant human YTH domain-containing family protein 2 protein
Conjugation	FITC
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-162427 / sc-162425 / sc-162426 / sc-135353
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-YTHDF2 antibody	ELISA (EIA)
Related Product Information for anti-YTHDF2 antibody	Specifically recognizes and binds N6-methyladenosine (m6A)-containing RNAs, and regulates mRNA stability (PubMed:24284625, PubMed:26046440). 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).
Other Notes	Small volumes of anti-YTHDF2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for YTHDF2 purchase	MBS7004510 is an antibody targeting YTHDF2. Also known as YTHDF2 Antibody; FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for YTHDF2. It may not necessarily be applicable to this product.

NCBI GI #	290543591
NCBI GeneID	51441
NCBI Accession #	NP_001166299.1
UniProt Primary Accession #	Q9Y5A9
UniProt Secondary Accession #	Q5VSZ9; Q8TDH0; Q9BUJ5; A6NKG4; A8K966; B4E1G7; D3DPM8
UniProt Related Accession #	Q9Y5A9
GenBank Nucleotide #	NM_001172828.1
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
UniProt Protein Name	YTH domain-containing family protein 2
UniProt Synonym Protein Names	CLL-associated antigen KW-14
Protein Family	YTH domain-containing family protein
UniProt Gene Name	YTHDF2
UniProt Entry Name	YTHD2_HUMAN
NCBI Protein Information	YTH domain-containing family protein 2
NCBI Summary for YTHDF2	This gene encodes 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 chromosome 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. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Oct 2012]
UniProt Comments for YTHDF2	YTHDF2: high glucose-regulated protein 8. Two alternatively spliced isoforms have been described. Protein type: RNA-binding; RNA processing Chromosomal Location of Human Ortholog: 1p35 Cellular Component: cytoplasm; cytosol; nucleus Biological Process: humoral immune response; regulation of mRNA stability Disease: Longevity 1
Research Articles on YTHDF2	**1.** binding affinities of the YTH domains of three human proteins and yeast YTH domain protein Pho92
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/ythdf2/7004510