YTHD2 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	YTHD2 (YTHDF2), Blocking Peptide
Full Product Name	YTHD2 Antibody (C-term) Blocking Peptide
Product Gene Name	YTHDF2 blocking peptide
Product Synonym Gene Name	HGRG8
Product Synonym Names	YTH domain-containing family protein 2; CLL-associated antigen KW-14; High-glucose-regulated protein 8; Renal carcinoma antigen NY-REN-2; YTHDF2; HGRG8
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	YTHD2 peptide (MBS9221661) is used for blocking the activity of YTHD2 antibody (MBS9209250)
Molecular Weight	56,877 Da
OMIM	610640
Cellular Location	Cytoplasm, P-body
Related Product Information for YTHDF2 blocking peptide	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.
Other Notes	Small volumes of YTHDF2 blocking peptide 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	MBS9221661 is a blocking peptide targeting YTHDF2. Also known as YTHD2 Antibody (C-term) Blocking Peptide.

ADDITIONAL DETAILS

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

NCBI GI #	41019527
NCBI GeneID	51441
NCBI Accession #	Q9Y5A9.2
UniProt Primary Accession #	Q9Y5A9
UniProt Secondary Accession #	Q5VSZ9; Q8TDH0; Q9BUJ5; A6NKG4; A8K966; B4E1G7; D3DPM8
UniProt Related Accession #	Q9Y5A9
NCBI Official Full Name	YTH domain-containing family protein 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

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 Molecular Function: protein binding 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.
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