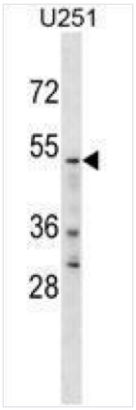
YTHD2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	YTHD2, Polyclonal Antibody
Full Product Name	YTHD2, CT (YTHDF2, HGRG8, YTH domain family protein 2, CLL-associated antigen KW-14, High-glucose-regulated protein 8, Renal carcinoma antigen NY-REN-2) (Azide free) (HRP)
Product Gene Name	anti-YTHD2 antibody
Product Synonym Gene Name	YTHDF2
Product Synonym Names	YTHDF2; HGRG8; YTH domain family protein 2; CLL-associated antigen KW-14; High-glucose-regulated protein 8; Renal carcinoma antigen NY-REN-2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human YTHD2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	62,334 Da
OMIM	610640
3D Structure	ModBase 3D Structure for Q9Y5A9
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 551-579 in the C-terminal region of human YTHD2, UniProt Accession #Q9Y5A9. Species sequence homology: bovine, monkey, mouse
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-YTHD2 antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-YTHD2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-YTHD2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-YTHD2 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 References and Citations for anti-YTHD2 antibody	1. Nguyen, T.T., et al. Genes Chromosomes Cancer 45(10):918-932(2006). 2. Cardelli, M., et al. J. Gerontol. A Biol. Sci. Med. Sci. 61(6):547-556(2006). 3. Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005). 4. Stoilov, P., et al. Trends Biochem. Sci. 27(10):495-497(2002). 5. Scanlan, M.J., et al. Int. J. Cancer 83(4):456-464(1999).
Other Notes	Small volumes of anti-YTHD2 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 YTHD2 purchase	MBS6364384 is an antibody targeting YTHD2. Also known as YTHD2, CT (YTHDF2, HGRG8, YTH domain family protein 2, CLL-associated antigen KW-14, High-glucose-regulated protein 8, Renal carcinoma antigen NY-REN-2) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-YTHD2 antibody
Western Blot analysis in U251 cell line lysates (35ug/lane) usingMBS6006621. This demonstrates that MBS6006621 detected the YTHD2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for YTHD2. 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 domain family, member 2
NCBI Official Symbol	YTHDF2
NCBI Official Synonym Symbols	HGRG8; NY-REN-2
UniProt Protein Name	YTH domain-containing family protein 2
UniProt Synonym Protein Names	CLL-associated antigen KW-14; High-glucose-regulated protein 8; Renal carcinoma antigen NY-REN-2
UniProt Gene Name	YTHDF2
UniProt Synonym Gene Names	HGRG8
UniProt Entry Name	YTHD2_HUMAN
NCBI Protein Information	YTH domain-containing family protein 2; 9430020E02Rik; CLL-associated antigen KW-14; high-glucose-regulated protein 8; renal carcinoma antigen NY-REN-2

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