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[KO Validated] YTHDF2 Rabbit mAb

Catalog No.: A25318

Recombinant | 1 Publications

Basic Information

Observed MW
65 kDa

Calculated MW
62 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, IHC-P, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC3253

Background

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.

Recommended Dilutions

WB 1:10000 - 1:40000

IP
0.5μg-4μg antibody for 400μg-600μg extracts of whole cells

IHC-P 1:1000 - 1:5000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
51441

Swiss-Prot
Q9Y5A9

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
DF2; CAHL; HGRG8; NY-REN-2; YTHDF2

Contact

400-999-6126
cn.market@abclonal.com.cn
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Product Information

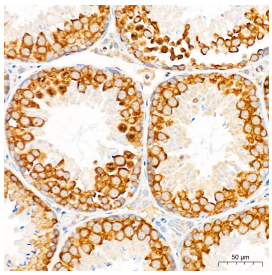
Source
Rabbit

Isotype
IgG

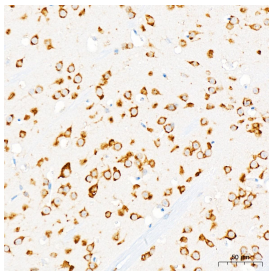
Purity
Affinity purification

Storage
Store at -20℃

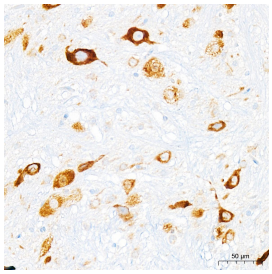
Validation Data



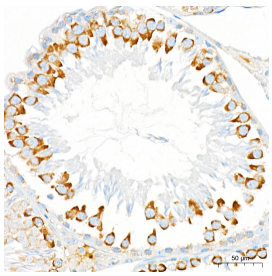
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using [KO Validated] YTHDF2 Rabbit mAb (A25318) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



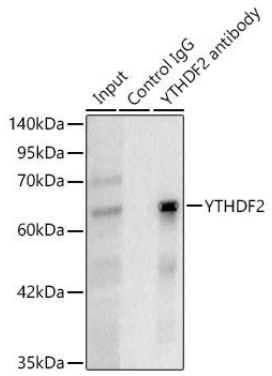
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using [KO Validated] YTHDF2 Rabbit mAb (A25318) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



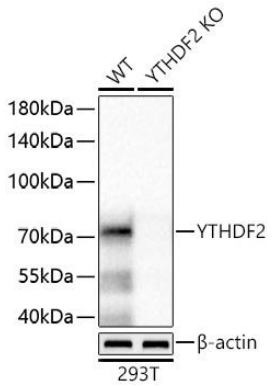
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using [KO Validated] YTHDF2 Rabbit mAb (A25318) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



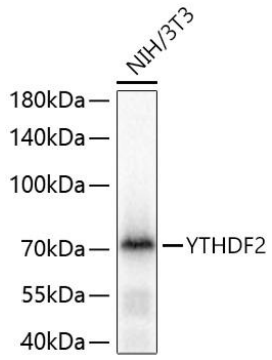
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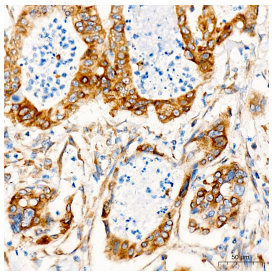
Immunoprecipitation of YTHDF2 in 500 µg extracts from NIH/3T3 cells using 3 µg [KO Validated] YTHDF2 Rabbit mAb (A25318). Western blot analysis was performed using [KO Validated] YTHDF2 Rabbit mAb (A25318) at 1:1000 dilution.



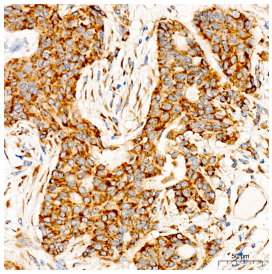
Western blot analysis of lysates from wild type (WT) and YTHDF2 knockout (KO) 293T cells using [KO Validated] YTHDF2 Rabbit mAb (A25318) at 1:20000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



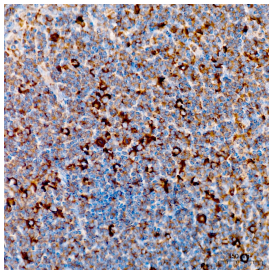
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Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
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Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] YTHDF2 Rabbit mAb (A25318) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using [KO Validated] YTHDF2 Rabbit mAb (A25318) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using [KO Validated] YTHDF2 Rabbit mAb (A25318) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.