

## Rabbit anti-Mouse Ythdc1 Monoclonal Antibody | anti-Ythdc1 antibody

[KO Validated] Ythdc1 Rabbit mAb

|                               |                       |                            |                                            |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA283064</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|

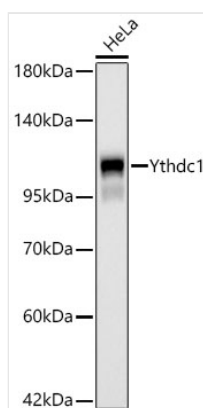
### PRODUCT SYNONYMS

Ythdc1; Monoclonal Antibody; [KO Validated] Ythdc1 Rabbit mAb; mKIAA1966; A730098D12Rik; Mouse Ythdc1; anti-Ythdc1 antibody

### PRODUCT SPECIFICATIONS

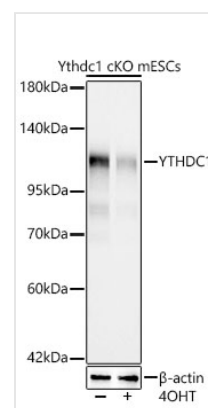
|                                                  |                                                                                                                                                           |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                    |
| Reactivity                                       | Mouse                                                                                                                                                     |
| Clonality                                        | Monoclonal                                                                                                                                                |
| Isotype                                          | IgG                                                                                                                                                       |
| Purity/Purification                              | Affinity purification                                                                                                                                     |
| Form/Format                                      | PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.                                                                                                |
| Sequence                                         | SYNDYVREFH NMGPPPPWQG MPPYPGIEQP PHHPYYQHHA PPPQAHPPYS GHHPVPHEAR YRDKRVHDYD MRVDDFLRRT QAVVSGRRSR PRERDRERER DRPRDNRRDR ERDRGRDRER ERERICDRDR DRGERGRYRR |
| Applicable Applications for anti-Ythdc1 antibody | ELISA, WB (Western Blot)                                                                                                                                  |
| Immunogen                                        | Recombinant fusion protein containing a sequence corresponding to amino acids 597-736 of mouse Ythdc1 (NP_808348.2).                                      |
| Preparation and Storage                          | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                          |

### IMAGES



#### WB (Western Blot)

Western blot analysis of lysates from HeLa cells using [KO Validated] Ythdc1 Rabbit mAb (AAA283064) at 1:1000 dilution incubated overnight at 4?. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.



#### WB (Western Blot)

Western blot analysis of lysates from Ythdc1-cKO mouse ES cells, using [KO Validated] Ythdc1 Rabbit mAb (AAA283064) at 1:1000 dilution incubated overnight at 4?. Ythdc1-cKO mouse ES cells were treated by 4OHT. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Ythdc1 antibody | Predicted to enable N6-methyladenosine-containing RNA binding activity and mRNA binding activity. Involved in posttranscriptional regulation of gene expression. Acts upstream of or within gamete generation; in utero embryonic development; and regulation of mRNA processing. Located in nucleus. Orthologous to human YTHDC1 (YTH domain containing 1). |
| Product Categories/Family for anti-Ythdc1 antibody   | Epigenetics and Nuclear Signaling; DNA/RNA; RNA Processing; Splicing; Antibodies                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                            |                                                |
|----------------------------|------------------------------------------------|
| NCBI GI #                  | 124430549                                      |
| NCBI GeneID                | 231386                                         |
| NCBI Accession #           | NP_808348.2                                    |
| NCBI GenBank Nucleotide #  | NM_177680.3                                    |
| UniProt Accession #        | E9Q5K9; Q69Z54; Q80V25; Q8R5E6; E9PW44; E9Q7Z8 |
| Molecular Weight           | Calculated MW: 85kDa<br>Observed MW: 100kDa    |
| UniProt Protein Name       | YTH domain-containing protein 1                |
| UniProt Gene Name          | Ythdc1                                         |
| UniProt Synonym Gene Names | Kiaa1966                                       |
| UniProt Entry Name         | YTDC1_MOUSE                                    |

**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://stage.aaabiotech.com/monoclonal/ythdc1-antibody-western-blot-elisa/283064>