

## Rabbit anti-Human TMM70 Polyclonal Antibody | anti-TMEM70 antibody

TMM70 Antibody (C-term)

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA286972</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

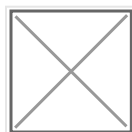
### PRODUCT SYNONYMS

TMM70; Polyclonal Antibody; TMM70 Antibody (C-term); Transmembrane protein 70; mitochondrial; TMEM70; anti-TMEM70 antibody

### PRODUCT SPECIFICATIONS

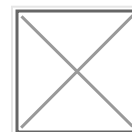
|                                                  |                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                       |
| Reactivity                                       | Human                                                                                                                                                                        |
| Clonality                                        | Polyclonal                                                                                                                                                                   |
| Isotype                                          | Rabbit Ig                                                                                                                                                                    |
| Specificity                                      | This TMM70 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 231-260 amino acids from the C-terminal region of human TMM70.       |
| Purity/Purification                              | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                    | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                               | 231-260                                                                                                                                                                      |
| Sequence Length                                  | 107                                                                                                                                                                          |
| Applicable Applications for anti-TMEM70 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                   | HUMAN                                                                                                                                                                        |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### IHC (Immunohistochemistry)

TMM70 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TMM70 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



#### WB (Western Blot)

TMM70 Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the TMM70 antibody detected the TMM70 protein (arrow).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TMEM70 antibody | This gene likely encodes a mitochondrial membrane protein. The encoded protein may play a role in biogenesis of mitochondrial ATP synthase. Mutations in this gene have been associated with neonatal mitochondrial encephalocardiomyopathy due to ATP synthase deficiency. Alternatively spliced transcript variants have been described. |
| Product Categories/Family for anti-TMEM70 antibody   | Metabolism; Signal Transduction                                                                                                                                                                                                                                                                                                            |
| References                                           | Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)<br>Karasik, D., et al. J. Bone Miner. Res. 25(7):1555-1563(2010)<br>Honzik, T., et al. Arch. Dis. Child. 95(4):296-301(2010)<br>Davila, S., et al. Genes Immun. 11(3):232-238(2010)<br>Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 95007020                                          |
| NCBI GeneID                      | 54968                                             |
| NCBI Accession #                 | NP_001035703.1; NP_060336.3                       |
| NCBI GenBank Nucleotide #        | NM_001040613.2                                    |
| UniProt Accession #              | Q9BUB7; Q9NWKY5; E9PDY9                           |
| Molecular Weight                 | 28969                                             |
| NCBI Official Full Name          | transmembrane protein 70, mitochondrial isoform b |
| NCBI Official Synonym Full Names | transmembrane protein 70                          |
| NCBI Official Symbol             | TMEM70                                            |
| NCBI Official Synonym Symbols    | MC5DN2                                            |
| NCBI Protein Information         | transmembrane protein 70, mitochondrial           |
| UniProt Protein Name             | Transmembrane protein 70, mitochondrial           |
| UniProt Gene Name                | TMEM70                                            |
| UniProt Entry Name               | TMM70_HUMAN                                       |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tmm70-antibody-immunohistochemistry-western-blot-elisa/286972>