

## Rabbit anti-Human TOMM20 Polyclonal Antibody | anti-TOMM20 antibody

Anti-TOMM20 Antibody Picoband

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                                         |
|-----------|--------|------------|----------------------------------------------------------------------------------------------------------------------|
| AAA19504  | Rabbit | Human      | Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA |

### PRODUCT SYNONYMS

TOMM20; Polyclonal Antibody; Anti-TOMM20 Antibody Picoband; anti-TOMM20 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                         |
| Reactivity                                       | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification                              | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                      | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                                                                                                                                                                                       |
| Concentration                                    | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                                                                                                                                                                                      |
| Applicable Applications for anti-TOMM20 antibody | WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA                                                                                                                                                                                                                                                            |
| Application Notes                                | WB: 0.25-0.5 ug/ml, Human<br>IHC-P: 2-5 ug/ml, Human<br>ICC/IF: 5 ug/ml, Human<br>FC/FACS: 1-3 ug/1x10 <sup>6</sup> cells, Human<br>Direct ELISA: 0.1-0.5 ug/ml, Human<br>Tested Species: In-house tested species with positive results.<br>Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC. |
| Reconstitution                                   | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                                                                                                                                                                                      |
| Immunogen                                        | E Coli-derived human TOMM20 recombinant protein (Position: D25-E145).                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                          | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.                                                                                                                                                                   |



FCM (Flow Cytometry)

Figure 8. Flow Cytometry analysis of Raji cells using anti-TOMM20 antibody (AAA19504). Overlay histogram showing Raji cells stained with AAA19504 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TOMM20 Antibody (AAA19504, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



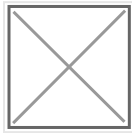
IF (Immunofluorescence)

Figure 7. IF analysis of TOMM20 using anti-TOMM20 antibody (AAA19504). TOMM20 was detected in an immunocytochemical section of SiHa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-TOMM20 Antibody (AAA19504) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 6. IHC analysis of TOMM20 using anti-TOMM20 antibody (AAA19504). TOMM20 was detected in a paraffin-embedded section of human laryngeal squamous cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TOMM20 Antibody (AAA19504) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of TOMM20 using anti-TOMM20 antibody (AAA19504). TOMM20 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TOMM20 Antibody (AAA19504) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of TOMM20 using anti-TOMM20 antibody (AAA19504). TOMM20 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TOMM20 Antibody (AAA19504) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of TOMM20 using anti-TOMM20 antibody (AAA19504). TOMM20 was detected in a paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TOMM20 Antibody (AAA19504) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TOMM20 antibody | Mitochondrial import receptor subunit TOM20 homolog is a protein that in humans is encoded by the TOMM20 gene. Enables protein-transporting ATPase activity and unfolded protein binding activity. Involved in protein targeting to mitochondrion. Located in mitochondria-associated endoplasmic reticulum membrane and mitochondrial outer membrane. |
| Product Categories/Family for anti-TOMM20 antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                           |                                          |
|---------------------------|------------------------------------------|
| NCBI GI #                 | 7657257                                  |
| NCBI GeneID               | 9804                                     |
| NCBI Accession #          | NP_055580.1                              |
| NCBI GenBank Nucleotide # | NM_014765.2                              |
| UniProt Accession #       | Q15388; Q498B3; Q6IBT4; A8K195; AAB35420 |

|                                         |                                                                                                                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>                 | 16,298 Da                                                                                                                                                                                                     |
| <b>NCBI Official Full Name</b>          | mitochondrial import receptor subunit TOM20 homolog                                                                                                                                                           |
| <b>NCBI Official Synonym Full Names</b> | translocase of outer mitochondrial membrane 20 homolog (yeast)                                                                                                                                                |
| <b>NCBI Official Symbol</b>             | TOMM20                                                                                                                                                                                                        |
| <b>NCBI Official Synonym Symbols</b>    | MAS20; MOM19; TOM20                                                                                                                                                                                           |
| <b>NCBI Protein Information</b>         | mitochondrial import receptor subunit TOM20 homolog; mitochondrial 20 kDa outer membrane protein; outer mitochondrial membrane receptor Tom20; translocase of outer mitochondrial membrane 20 homolog type II |
| <b>UniProt Protein Name</b>             | Mitochondrial import receptor subunit TOM20 homolog                                                                                                                                                           |
| <b>UniProt Gene Name</b>                | <b>TOMM20</b>                                                                                                                                                                                                 |
| <b>UniProt Synonym Gene Names</b>       | KIAA0016                                                                                                                                                                                                      |
| <b>UniProt Entry Name</b>               | TOM20_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tomm20-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19504>