

Mouse anti-Human Tomm20 Monoclonal Antibody | anti-Tomm20 antibody

Tomm20 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48947	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

Tomm20; Monoclonal Antibody; Tomm20 antibody; Mmitochondrial import receptor subunit TOM20 homolog; MAS20; MOM19; TOM20; anti-Tomm20 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT1B2
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	145
Applicable Applications for anti-Tomm20 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	Recombinant human Tomm20 (25-145aa) purified from E. coli
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry analysis of Tomm20 in HeLa cells. The cell was stained with AAA48947 at 2-5ug for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



IF (Immunofluorescence)

ICC/IF analysis of Tomm20 in HeLa cells. The cell was stained with AAA48947 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Tomm20 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: HepG2 cell lysate Lane 3.: A431 cell lysate Lane 4.: K562 cell lysate Lane 5.: A549 cell lysate Lane 6.: 293T cell lysate Lane 7.: MCF7 cell lysate Lane 8.: SK-OV-3 cell lysate Lane 9.: PC3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-Tomm20 antibody	Mitochondrial import receptor subunit TOMM20 homolog, also known as TOMM20, belongs to the Tom20 family. The Tom machinery consists of import receptors for the initial binding of cytosolically synthesized preproteins and a general import pore (GIP) for the membrane translocation of various preproteins into the mitochondria. TOMM20 functions as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the TOM40 translocation pore.
Product Categories/Family for anti-Tomm20 antibody	Signal Transduction
References	Ahting U., et al. (1999) J Cell Biol. 147: 959-968.; Brix J., et al. (1999) J Biol Chem. 274: 16522-16530.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657257
NCBI GeneID	9804
NCBI Accession #	NP_055580
NCBI GenBank Nucleotide #	NM_014765.2
UniProt Accession #	Q15388; Q498B3; Q6IBT4; A8K195
NCBI Official Full Name	mitochondrial import receptor subunit TOM20 homolog
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 20
NCBI Official Symbol	TOMM20
NCBI Official Synonym Symbols	MAS20; MOM19; TOM20
NCBI Protein Information	mitochondrial import receptor subunit TOM20 homolog
UniProt Protein Name	Mitochondrial import receptor subunit TOM20 homolog
UniProt Gene Name	TOMM20
UniProt Synonym Gene Names	KIAA0016

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/tomm20-antibody-clone-at1b2-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48947>