

Mouse TOMM20 Monoclonal Antibody | anti-TOMM20 antibody

TOMM20 (Mitochondrial Import Receptor Subunit TOM20 Homolog, TOM20, Mitochondrial 20kD Outer Membrane Protein, Outer Mitochondrial Membrane Receptor Tom20, KIAA0016, MAS20, MOM19)

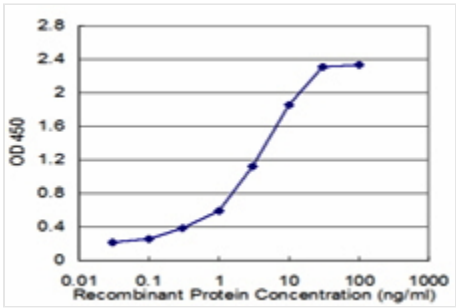
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25569	Mouse	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

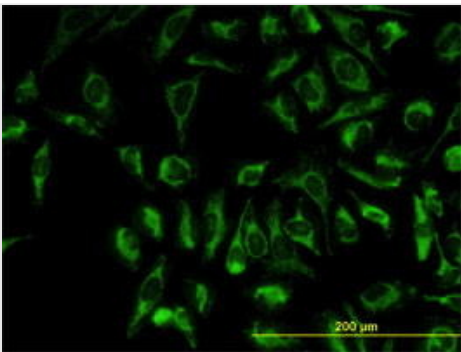
TOMM20; Monoclonal Antibody; TOMM20 (Mitochondrial Import Receptor Subunit TOM20 Homolog; TOM20; Mitochondrial 20kD Outer Membrane Protein; Outer Mitochondrial Membrane Receptor Tom20; KIAA0016; MAS20; MOM19); anti-TOMM20 antibody

PRODUCT SPECIFICATIONS

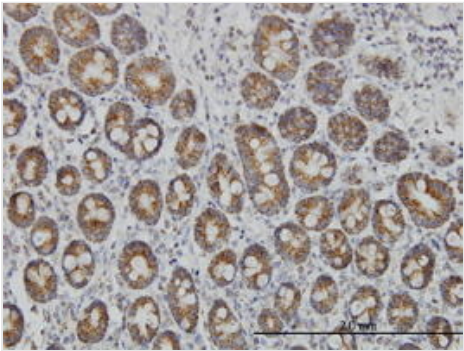
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4F3
Specificity	Recognizes human TOMM20. Species Crossreactivity: mouse, rat
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Sequence Length	907
Applicable Applications for anti-TOMM20 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant protein corresponding to aa1-145 of human TOMM20 (BC066335; AAH66335) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MVGRNSAIAAGVCGALFIGYCIYFDRKRRSDPNFKNRLRERRKKQKLAKERAGLSKLPDLKDAEAVQKFFLEEIQLGEELLAQGEYEKGVDHLTNAIVCG
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C for up to 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent preservative. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



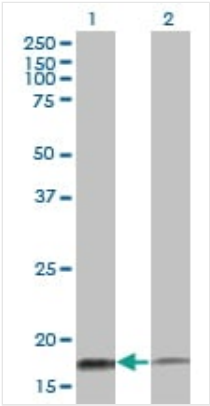
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to TOMM20 on HeLa cell. [antibody concentration 10ug/ml]



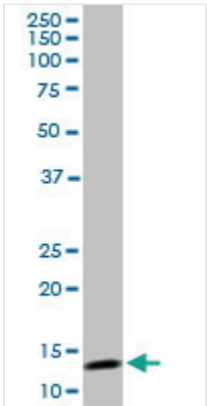
Application Data
Detection limit for recombinant GST tagged TOMM20 is ~0.1ng/ml as a capture antibody.



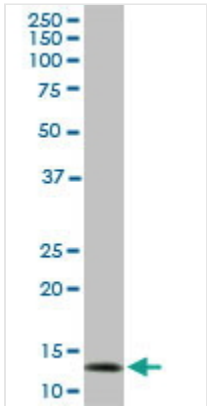
IHC (Immunohistochemistry)
Immunoperoxidase on formalin-fixed paraffin-embedded human small Intestine using 1346004 (3ug/ml).



WB (Western Blot)
Western Blot analysis in transfected 293T cell line using 134604. Lane 1: 134604 transfected lysate (16.3kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
Western Blot analysis in NIH/3T3 using 134604.



WB (Western Blot)
Western Blot analysis of in PC-12 using 134604.

ADDITIONAL INFORMATION

Product Categories/Family for anti-TOMM20 antibody	Antibodies; Mitochondrial Proteins
References	1. Cellular distribution and subcellular localization of spatacsin and spastizin, two proteins involved in hereditary spastic paraplegia. Murmu RP, Martin E, Rastetter A, Esteves T, Muriel MP, El Hachimi KH, Denora PS, Dauphin A, Fernandez JC, Duyckaerts C, Brice A, Darios F, Stevanin G.Mol Cell Neurosci. 2011 Apr 27.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42490989
NCBI GeneID	9804
NCBI Official Full Name	Homo sapiens translocase of outer mitochondrial membrane 20 homolog (yeast), mRNA
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

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://www.aaabiotech.com/monoclonal/tomm20-antibody-clone-4f3-immunohistochemistry-western-blot-elisa/25569>