TOMM40 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TOMM40, Polyclonal Antibody
Full Product Name	TOMM40 Antibody FITC-Conjugated
Product Gene Name	anti-TOMM40 antibody
Product Synonym Names	C19orf1; D19S1177E; Haymaker protein; Mitochondrial import receptor subunit TOM40 homolog; Mitochondrial outer membrane protein TOM40; p38.5; PER EC1; Probable mitochondrial import receptor subunit TOM40 homolog; Protein Haymaker; TOM40; TOMM40; Translocase of outer membrane 40 kDa subunit homolog; Translocase of outer mitochondrial membrane 40 homolog (yeast) antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	FITC-Conjugated
Concentration	0.5 ug/ul in antibody stabilization buffer (lot specific)
Preparation and Storage	Store at -20°C for long term storage
Matching Pairs	Antibody: TOMM40 (MBS5400122) Positive Control: TOMM40 (MBS543336)
Antibody/Peptide Pairs	TOMM40 peptide (MBS544592) is used for blocking the activity of TOMM40 antibody (MBS5400122)
OMIM	608061
3D Structure	ModBase 3D Structure for O96008
Immunogen	Synthetic peptide taken within amino acid region 300-350 on human Mitochondrial import receptor subunit TOM40 homolog.
Immunoglobulin	IgG
Molecular Function	Porin activity; Protein transmembrane transporter activity
Structure	Forms part of the preprotein translocase complex of the outer mitochondrial membrane (TOM complex) which consists of at least 7 different proteins (TOMM5, TOMM6, TOMM7, TOMM20, TOMM22, TOMM40 and TOMM70). Interacts with mitochondrial targeting sequences.
Subcellular Location	Mitochondrion outer membrane; Multi-pass membrane protein
Applications Tested/Suitable for anti-TOMM40 antibody	ELISA (EIA), Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-TOMM40 antibody	ELISA: 1:10,000 Immunoprecipitation: 1:200 Western Blot: 1:500
Related Product Information for anti-TOMM40 antibody	FITC-Conjugated Mitochondrial import receptor subunit TOM40 homolog Antibody Channel-forming protein essential for import of protein precursors into mitochondria.
Other Notes	Small volumes of anti-TOMM40 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for TOMM40 purchase	MBS5400122 is an antibody targeting TOMM40. Also known as TOMM40 Antibody FITC-Conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TOMM40. It may not necessarily be applicable to this product.

NCBI GI #	12230369
NCBI GeneID	10452
NCBI Accession #	O96008.1
UniProt Primary Accession #	O96008
UniProt Secondary Accession #	Q86VW4; Q8WY09; Q8WY10; Q8WY11; Q9BR95
UniProt Related Accession #	O96008
NCBI Official Full Name	Mitochondrial import receptor subunit TOM40 homolog
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 40
NCBI Official Symbol	TOMM40
NCBI Official Synonym Symbols	TOM40; PEREC1; C19orf1; PER-EC1; D19S1177E
UniProt Protein Name	Mitochondrial import receptor subunit TOM40 homolog
UniProt Synonym Protein Names	Protein Haymaker; Translocase of outer membrane 40 kDa subunit homolog; p38.5
Protein Family	Mitochondrial import receptor
UniProt Gene Name	TOMM40
UniProt Synonym Gene Names	C19orf1; PEREC1; TOM40
UniProt Entry Name	TOM40_HUMAN
NCBI Protein Information	mitochondrial import receptor subunit TOM40 homolog
NCBI Summary for TOMM40	The protein encoded by this gene is localized in the outer membrane of the mitochondria. It is the channel-forming subunit of the translocase of the mitochondrial outer membrane (TOM) complex that is essential for import of protein precursors into mitochondria. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2015]
UniProt Comments for TOMM40	TOMM40: Channel-forming protein essential for import of protein precursors into mitochondria. Belongs to the Tom40 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Mitochondrial Chromosomal Location of Human Ortholog: 19q13 Cellular Component: cytoplasm; integral to membrane; integral to mitochondrial outer membrane; mitochondrial outer membrane; mitochondrial outer membrane translocase complex; mitochondrion; nucleoplasm; pore complex Molecular Function: porin activity; protein channel activity; protein transmembrane transporter activity Biological Process: ion transport; macroautophagy; protein import into mitochondrial matrix; protein targeting to mitochondrion
Research Articles on TOMM40	**1.** Epilepsy, impaired fine motor function and gastrostomy tube feeding were less common in cerebral palsy children with single nucleotide polymorphisms in the APOE or TOMM40 genes

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