TOMM40 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TOMM40, Polyclonal Antibody
Full Product Name	TOMM40 (N-Term) Rabbit pAb
Product Gene Name	anti-TOMM40 antibody
Product Synonym Names	Mitochondrial import receptor subunit TOM40 homolog; Protein Haymaker; Translocase of outer membrane 40 kDa subunit homolog; p38.5; TOMM40; C19orf1; PEREC1; TOM40
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Protein G
OMIM	608061
3D Structure	ModBase 3D Structure for O96008
Immunogen	This TOMM40 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 22-56 amino acids from human TOMM40.
Cellular Localization	Membrane, Mitochondrion, Mitochondrion Outer Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TOMM40 antibody	Western Blot (WB)
Application Notes for anti-TOMM40 antibody	WB: 1:1000
Related Product Information for anti-TOMM40 antibody	MBS8558538 is an antibody targeting TOMM40. Also known as TOMM40 (N-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
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.

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 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: nucleoplasm; pore complex; mitochondrial outer membrane translocase complex; mitochondrion; cytoplasm; integral to membrane; integral to mitochondrial outer membrane Molecular Function: protein transmembrane transporter activity; porin activity Biological Process: cellular protein metabolic process; ion transport; protein targeting to mitochondrion
Research Articles on TOMM40	**1.** TOM40 over-expression blocked Ab-elicited decreases in the mitochondrial membrane potential, cellular ATP levels, and cellular viability in the control cells. These data suggest elevated expression of TOM40 may be protective of mitochondrial function.
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