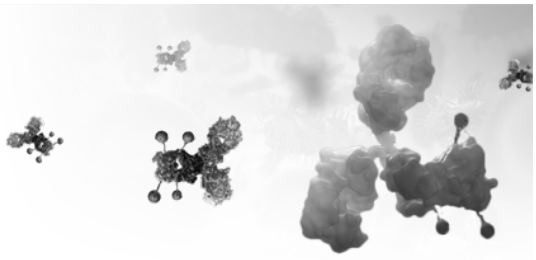

Rabbit Anti-TOMM20 monoclonal antibody, clone TU15-83 (CABT-L663)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	TOMM20
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TU15-83
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	16 kDa
Cellular Localization	Mitochondrion outer membrane.
Positive Control	PC12, MCF-7, Hela, HepG2, F9, mouse small intestine tissue, human liver cancer tissue, mouse heart tissue, human kidney tissue, mouse kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The mitochondrial preprotein translocases of the outer membrane (Tom) is a multisubunit protein complex that facilitates the import of nucleus-encoded precursor proteins across the mitochondrial outer membrane. 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. The import receptors include Tom20 and Tom22, which form a heteromeric receptor complex that initiates the insertion of newly synthesized proteins into the outer membrane and then directs the precursor protein into the GIP. In yeast, Tom22 is the essential component of the import receptor complex as it functions as both a receptor for the preproteins and serves as a docking point for both Tom20 and the GIP. Tom22 directly associates with Tom40, the major component of the GIP, and thereby forms a stable interaction between the two core complexes to facilitate the fluid movement of preproteins into the mitochondria. The insertion of Tom40 into the Tom machinery requires the initial binding of Tom40 to Tom20 and leads to the efficient incorporation of Tom40 precursors into preexisting Tom complexes.
Keywords	KIAA0016;MAS20;MGC117367;Mitochondrial 20 kDa outer membrane protein;Mitochondrial import receptor subunit TOM20 homolog;MOM19;Outer mitochondrial membrane receptor Tom20;TOM20;TOM20_HUMAN;TOMM20;Translocase of outer mitochondrial membrane 20 homolog (yeast);Translocase of outer mitochondrial membrane 20 homolog type II antibody

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