

Anti-TOMM22/TOM22 Rabbit Monoclonal Antibody

Catalog # ABO15659

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	Q9NS69
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-TOMM22/TOM22 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.

Additional Information

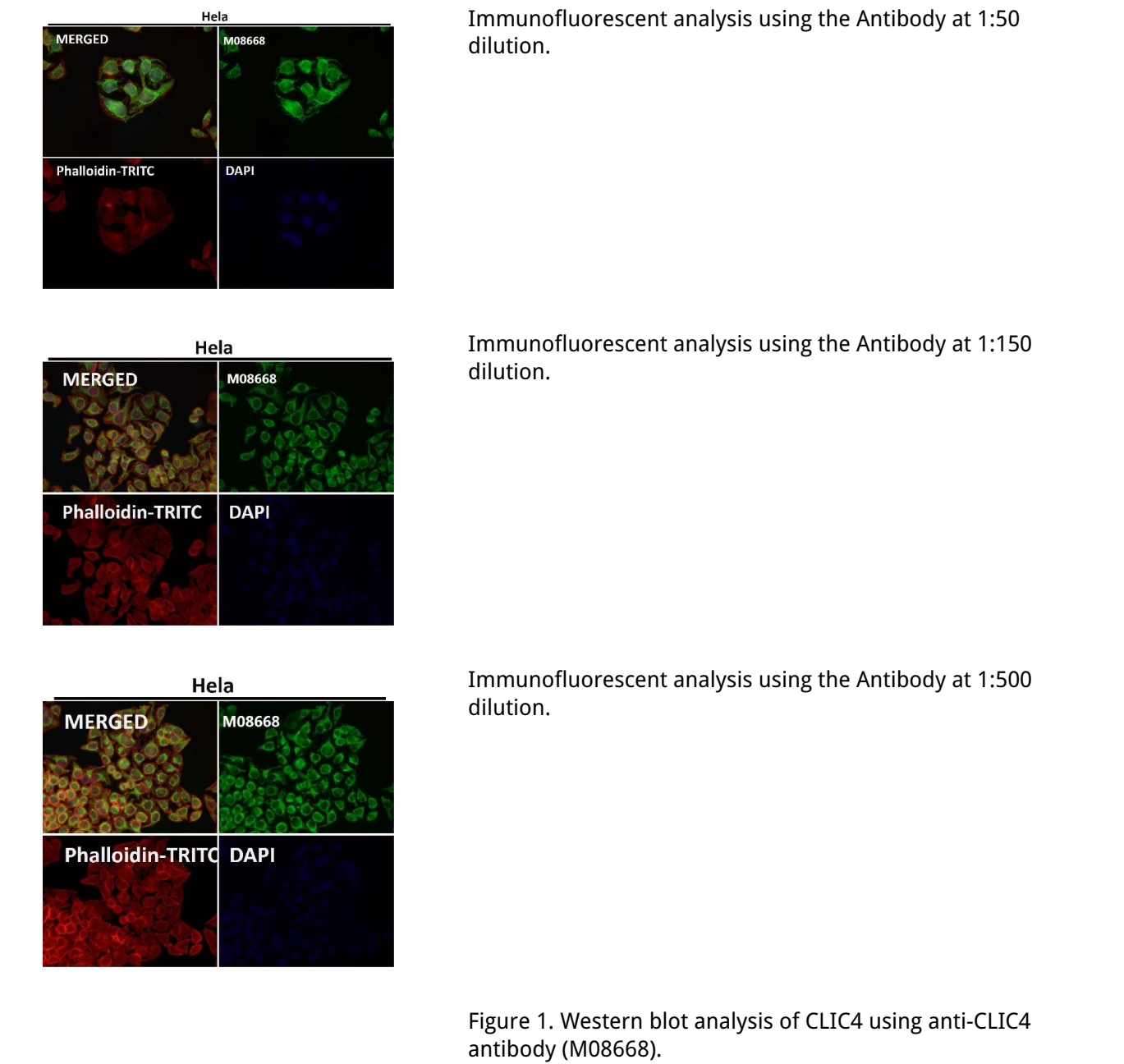
Gene ID	56993
Other Names	Mitochondrial import receptor subunit TOM22 homolog, hTom22, 1C9-2, Translocase of outer membrane 22 kDa subunit homolog, TOMM22, TOM22
Calculated MW	15522
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names Immunogen	Clone: 22T35 A synthesized peptide derived from human TOMM22
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

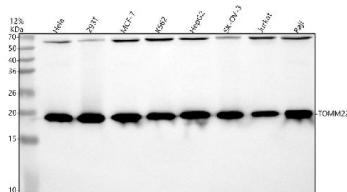
Protein Information

Name	TOMM22
Synonyms	TOM22

Function	Central receptor component of the translocase of the outer membrane of mitochondria (TOM) complex essential for the recognition and translocation of cytosolically synthesized mitochondrial preproteins (PubMed: 40080546). Together with the peripheral receptor TOMM20, functions as the transit peptide receptor and facilitates the movement of preproteins into the translocation pore (PubMed: 10982837). The TOM complex associates with the ion channel VDAC2 and PINK1 kinase at depolarized mitochondria, this interaction stabilizes PINK1 at the outer mitochondrial membrane and triggers downstream mitophagy by the recruitment of the E3 ubiquitin ligase PRKN (PubMed: 40080546). Required for the translocation across the mitochondrial outer membrane of cytochrome P450 monooxygenases (By similarity).
Cellular Location	Mitochondrion outer membrane; Single-pass membrane protein
Tissue Location	Ubiquitous.

Images





Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human 293T whole cell lysates,

Lane 3: human MCF-7 whole cell lysates,

Lane 4: human K562 whole cell lysates,

Lane 5: human HepG2 whole cell lysates,

Lane 6: human SK-OV-3 whole cell lysates,

Lane 7: human Jurkat whole cell lysates,

Lane 8: human Raji whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CLIC4 antigen affinity purified monoclonal antibody (Catalog # M08668) at 1:500 overnight at 4°C, then

washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for CLIC4 at approximately 18 kDa. The expected band size for CLIC4 is at 29 kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.