

Anti-TOMM22/TOM22 Rabbit Monoclonal Antibody
Catalog # ABO15659**Specification**

Anti-TOMM22/TOM22 Rabbit Monoclonal Antibody - 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.

Anti-TOMM22/TOM22 Rabbit Monoclonal Antibody - 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

18 kDa KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:50
FC 1:50

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.

Immunogen

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.

Anti-TOMM22/TOM22 Rabbit Monoclonal Antibody - Protein Information

Name TOMM22

Synonyms TOM22

Function

Central receptor component of the translocase of the outer membrane of mitochondria (TOM complex) responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with the peripheral receptor TOM20 functions as the transit peptide receptor and facilitates the movement of preproteins into the translocation pore (PubMed:10982837). 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

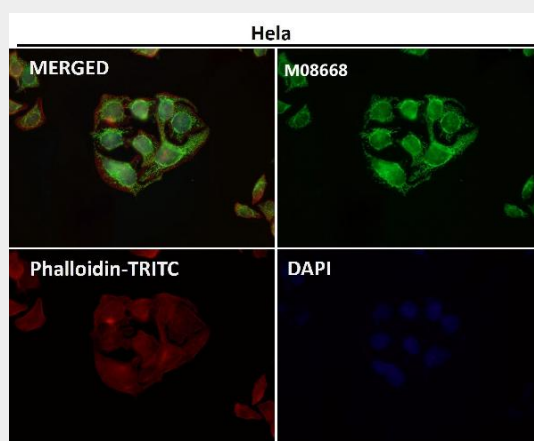
Ubiquitous.

Anti-TOMM22/TOM22 Rabbit Monoclonal Antibody - Protocols

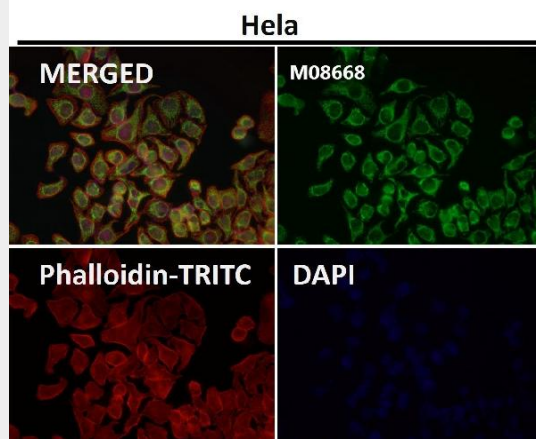
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

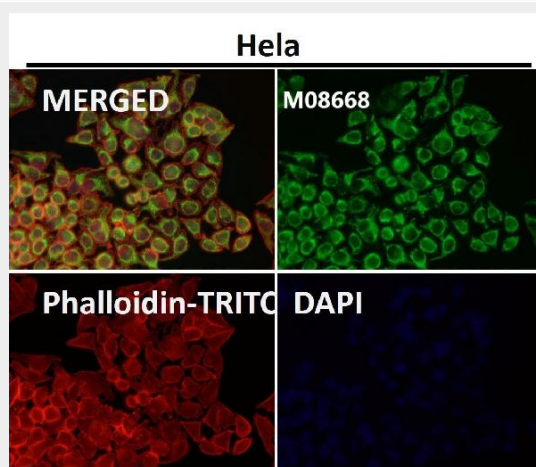
Anti-TOMM22/TOM22 Rabbit Monoclonal Antibody - Images



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:500 dilution.

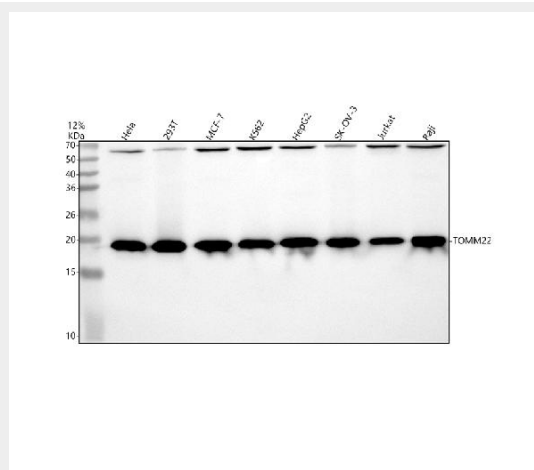


Figure 1. Western blot analysis of CLIC4 using anti-CLIC4 antibody (M08668).

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.