

TMEM68 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15983**Specification**

TMEM68 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q96MH6
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa KDa

TMEM68 Antibody - N-terminal region - Additional Information**Gene ID** 137695**Other Names**

Transmembrane protein 68, TMEM68

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 μ l of distilled water. Final Anti-TMEM68 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

TMEM68 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

TMEM68 Antibody - N-terminal region - Protein Information**Name** TMEM68 {ECO:0000303|PubMed:37648867, ECO:0000312|HGNC:HGNC:26510}**Function**

Catalytic subunit of the alternative triglyceride biosynthesis pathway, which mediates formation of triacylglycerol from diacylglycerol and membrane phospholipids (PubMed:[37648867](http://www.uniprot.org/citations/37648867)). Synthesizes triacylglycerol at the expense of membrane phospholipids, such as phosphatidylcholine (PC) and its ether-linked form (ePC), thereby altering the composition of membranes (PubMed:[37648867](http://www.uniprot.org/citations/37648867)). The alternative triglyceride biosynthesis pathway is probably required to provide the energy required for rapid growth when fuel sources are limiting (PubMed:[37648867](http://www.uniprot.org/citations/37648867)).

[37648867](http://www.uniprot.org/citations/37648867)). It maintains mitochondrial function during periods of extracellular lipid starvation (PubMed:[37648867](http://www.uniprot.org/citations/37648867)). Can also use acyl-CoA as donor: acts as a acyl-CoA:monoacylglycerol acyltransferase (MGAT), but also shows acyl-CoA:diacylglycerol acyltransferase (DGAT) activity (By similarity).

Cellular Location

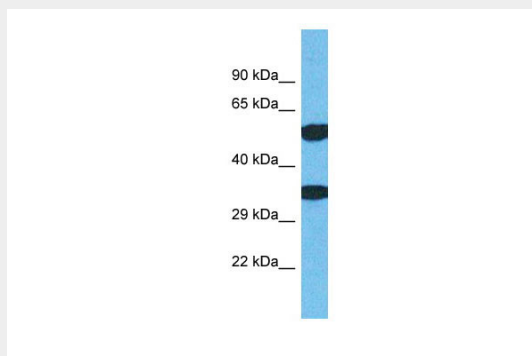
Endoplasmic reticulum membrane; Multi-pass membrane protein

TMEM68 Antibody - N-terminal region - 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](#)

TMEM68 Antibody - N-terminal region - Images



Host: Rabbit

Target Name: TMEM68

Sample Tissue: Jurkat Whole cell lysate

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Antibody Dilution: 1.0µg/ml

TMEM68 Antibody - N-terminal region - References

Ota T., et al. Nat. Genet. 36:40-45(2004).

Bechtel S., et al. BMC Genomics 8:399-399(2007).