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TMEM147 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10407c

Specification

TMEM147 Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q9BVK8
Other Accession	NP_116024.1

TMEM147 Antibody (Center) Blocking peptide - Additional Information

Gene ID 10430

Other Names
Transmembrane protein 147, Protein NIFIE 14, TMEM147

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TMEM147 Antibody (Center) Blocking peptide - Protein Information

Name TMEM147 {ECO:0000303|PubMed:20538592, ECO:0000312|HGNC:HGNC:30414}

Function
Component of the multi-pass translocon (MPT) complex that mediates insertion of multi-pass membrane proteins into the lipid bilayer of membranes (PubMed:32820719, PubMed:36261522). The MPT complex takes over after the SEC61 complex: following membrane insertion of the first few transmembrane segments of proteins by the SEC61 complex, the MPT complex occludes the lateral gate of the SEC61 complex to promote insertion of subsequent transmembrane regions (PubMed:36261522). Also acts as a negative regulator of CHRM3 function, most likely by interfering with its trafficking to the cell membrane (PubMed:21056967). Negatively regulates CHRM3-mediated calcium mobilization and activation of RPS6KA1/p90RSK activity (PubMed:21056967). Regulates LBR localization to the nucleus inner membrane (PubMed:32694168).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Nucleus membrane; Multi- pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:I6VSD2}; Multi-pass membrane protein

TMEM147 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

TMEM147 Antibody (Center) Blocking peptide - Images

TMEM147 Antibody (Center) Blocking peptide - References

Dettmer, U., et al. J. Biol. Chem. 285(34):26174-26181(2010)Lehner, B., et al. Genomics 83(1):153-167(2004)