



href="http://www.uniprot.org/citations/33929485" target="\_blank">33929485</a>, PubMed:<a href="http://www.uniprot.org/citations/33850023" target="\_blank">33850023</a>). Regulates ATP2A2 activity to control ER-isolation membrane contacts for autophagosome formation (PubMed:<a href="http://www.uniprot.org/citations/28890335" target="\_blank">28890335</a>). In addition to autophagy, involved in other processes in which phospholipid scramblase activity is required (PubMed:<a href="http://www.uniprot.org/citations/31526472" target="\_blank">31526472</a>, PubMed:<a href="http://www.uniprot.org/citations/33850023" target="\_blank">33850023</a>). Modulates ER contacts with lipid droplets, mitochondria and endosomes (PubMed:<a href="http://www.uniprot.org/citations/28890335" target="\_blank">28890335</a>). Plays an essential role in formation of cell junctions (PubMed:<a href="http://www.uniprot.org/citations/17724469" target="\_blank">17724469</a>). Upon stress such as bacterial and viral infection, promotes formation of cytoplasmic vacuoles followed by cell death (By similarity). Involved in the cytoplasmic vacuolization of acinar cells during the early stage of acute pancreatitis (By similarity).

#### **Cellular Location**

Endoplasmic reticulum-Golgi intermediate compartment membrane {ECO:0000250|UniProtKB:Q91ZQ0}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Vacuole membrane {ECO:0000250|UniProtKB:Q91ZQ0}; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

#### **TMEM49 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TMEM49 Antibody (C-term) Blocking peptide - Images**

#### **TMEM49 Antibody (C-term) Blocking peptide - Background**

Stress-induced protein that, when overexpressed, promotes formation of intracellular vacuoles followed by cell death. May be involved in the cytoplasmic vacuolization of acinar cells during the early stage of acute pancreatitis (By similarity).

#### **TMEM49 Antibody (C-term) Blocking peptide - References**

Pardo, R., et al. Pancreatology 10(1):19-26(2010)Calvo-Garrido, J., et al. Mol. Biol. Cell 19(8):3442-3453(2008)Fujita, S., et al. J. Mol. Biol. 378(3):492-504(2008)Sauermann, M., et al. Oncogene 27(9):1320-1326(2008)Ropolo, A., et al. J. Biol. Chem. 282(51):37124-37133(2007)