

T4S20 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5920b**Specification**

T4S20 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O53R12](#)
Other Accession [NP_079071.2](#)

T4S20 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 79853

Other Names

Transmembrane 4 L6 family member 20, TM4SF20

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.

T4S20 Antibody (C-term) Blocking peptide - Protein Information

Name TM4SF20

Function

Polytopic transmembrane protein that inhibits regulated intramembrane proteolysis (RIP) of CREB3L1, inhibiting its activation and the induction of collagen synthesis (PubMed:25310401, PubMed:27499293). In response to ceramide, which alters TM4SF20 membrane topology, stimulates RIP activation of CREB3L1 (PubMed:27499293). Ceramide reverses the direction through which transmembrane helices are translocated into the endoplasmic reticulum membrane during translation of TM4SF20, this mechanism is called 'regulated alternative translocation' (RAT) and regulates the function of the transmembrane protein (PubMed:27499293).

Cellular Location

Membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Ceramide alters the direction through which transmembrane helices are translocated into the endoplasmic reticulum membrane during translation of TM4SF20

Tissue Location

Expressed in the brain, with high levels in the parietal lobe, hippocampus, pons, white matter and cerebellum

T4S20 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

T4S20 Antibody (C-term) Blocking peptide - Images