

TMEM41B Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP19273c

Specification

TMEM41B Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q5BJD5](#)

TMEM41B Antibody (Center) Blocking Peptide - Additional Information

Gene ID 440026

Other Names

Transmembrane protein 41B, TMEM41B, KIAA0033

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.

TMEM41B Antibody (Center) Blocking Peptide - Protein Information

Name TMEM41B {ECO:0000303|PubMed:30352685, ECO:0000312|HGNC:HGNC:28948}

Function

Phospholipid scramblase involved in lipid homeostasis and membrane dynamics processes (PubMed:34015269, PubMed:33929485, PubMed:33850023). Has phospholipid scramblase activity toward cholesterol and phosphatidylserine, as well as phosphatidylethanolamine and phosphatidylcholine (PubMed:34015269, PubMed:33929485, PubMed:33850023). Required for autophagosome formation: participates in early stages of autophagosome biogenesis at the endoplasmic reticulum (ER) membrane by reequilibrating the leaflets of the ER as lipids are extracted by ATG2 (ATG2A or ATG2B) to mediate autophagosome assembly (PubMed:30093494, PubMed:30126924, PubMed:30933966, PubMed:34015269, PubMed:33929485, PubMed:34043740, PubMed:33850023). In addition to autophagy, involved in other processes in which phospholipid scramblase activity is required (PubMed:33850023). Required for normal motor neuron development (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Endomembrane system
Note=Localized to specific membrane structures termed mitochondria- associated membranes (MAMs) which connect the endoplasmic reticulum (ER) and the mitochondria.

TMEM41B Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TMEM41B Antibody (Center) Blocking Peptide - Images**TMEM41B Antibody (Center) Blocking Peptide - Background**

TMEM41B belongs to the TMEM41 family and it has two isoforms.

TMEM41B Antibody (Center) Blocking Peptide - References

Kimura, K., et al. Genome Res. 16(1):55-65(2006) Hillier, L.D., et al. Genome Res. 6(9):807-828(1996)