

TMEM67 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9639b**Specification**

TMEM67 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q5HYA8](#)**TMEM67 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 91147**Other Names**

Meckelin, Meckel syndrome type 3 protein, Transmembrane protein 67, TMEM67, MKS3

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.

TMEM67 Antibody (C-term) Blocking Peptide - Protein Information**Name** TMEM67**Synonyms** MKS3**Function**

Required for ciliary structure and function. Part of the tectonic-like complex which is required for tissue-specific ciliogenesis and may regulate ciliary membrane composition (By similarity). Involved in centrosome migration to the apical cell surface during early ciliogenesis. Involved in the regulation of cilia length and appropriate number through the control of centrosome duplication. Is a key regulator of stereociliary bundle orientation (By similarity). Required for epithelial cell branching morphology. Essential for endoplasmic reticulum-associated degradation (ERAD) of surfactant protein C (SFTPC). Involved in the negative regulation of canonical Wnt signaling, and activation of the non-canonical cascade stimulated by WNT5A (PubMed:26035863). In non-canonical Wnt signaling, it may act as ROR2 coreceptor (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Cell projection, cilium Cytoplasm, cytoskeleton, cilium basal body. Note=Localizes at the transition zone, a region between the basal body and the ciliary axoneme (PubMed:22121117).

Tissue Location

Widely expressed in adult and fetal tissues. Expressed at higher level in spinal cord.

TMEM67 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TMEM67 Antibody (C-term) Blocking Peptide - Images**TMEM67 Antibody (C-term) Blocking Peptide - Background**

TMEM67 localizes to the primary cilium and to the plasma membrane.

TMEM67 Antibody (C-term) Blocking Peptide - References

Doherty, D., et al. J. Med. Genet. 47(1):8-21(2010)Wang, M., et al. J. Biol. Chem. 284(48):33377-33383(2009)Otto, E.A., et al. J. Med. Genet. 46(10):663-670(2009)