

**TMEM100 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11713b****Specification**

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**TMEM100 Antibody (C-term) Blocking peptide - Product Information**Primary Accession  
Other Accession[O9NV29](#)  
[NP\\_001093110.1](#), [NP\\_060756.2](#)**TMEM100 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 55273**Other Names**

Transmembrane protein 100, TMEM100

**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.

**TMEM100 Antibody (C-term) Blocking peptide - Protein Information****Name** TMEM100**Function**

Plays a role during embryonic arterial endothelium differentiation and vascular morphogenesis through the ACVRL1 receptor- dependent signaling pathway upon stimulation by bone morphogenetic proteins, such as GDF2/BMP9 and BMP10. Involved in the regulation of nociception, acting as a modulator of the interaction between TRPA1 and TRPV1, two molecular sensors and mediators of pain signals in dorsal root ganglia (DRG) neurons. Mechanistically, it weakens their interaction, thereby releasing the inhibition of TRPA1 by TRPV1 and increasing the single-channel open probability of the TRPA1-TRPV1 complex.

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Membrane; Multi-pass membrane protein Perikaryon. Cytoplasm, perinuclear region. Endoplasmic reticulum Note=Colocalized with HSPA5 in the endoplasmic reticulum (ER). Enriched in ER microsome. Colocalized with BMP4 in neural cell bodies and neural fibers of the enteric nervous system

**Tissue Location**

Expressed in neurons of the myenteric and submucosal plexuses in the gastric body, jejunum and proximal colon Expressed in arterial endothelial cells and neurons of the central nervous system

and peripheral nervous system. Expressed in umbilical artery endothelial cells (at protein level)

#### **TMEM100 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TMEM100 Antibody (C-term) Blocking peptide - Images**

#### **TMEM100 Antibody (C-term) Blocking peptide - References**

Grozdanov, P.N., et al. RNA 15(6):1188-1197(2009)