

**TM119 Antibody (Center) Blocking Peptide**  
Synthetic peptide  
Catalog # BP5003c**Specification**

---

**TM119 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q4V9L6](#)**TM119 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 338773

**Other Names**

Transmembrane protein 119, Osteoblast induction factor, OBIF, TMEM119

**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.

**TM119 Antibody (Center) Blocking Peptide - Protein Information**

Name TMEM119

**Function**

Plays an important role in bone formation and normal bone mineralization. Promotes the differentiation of myoblasts into osteoblasts (PubMed:&lt;a href="http://www.uniprot.org/citations/20025746" target="\_blank"&gt;20025746&lt;/a&gt;). May induce the commitment and differentiation of myoblasts into osteoblasts through an enhancement of BMP2 production and interaction with the BMP-RUNX2 pathway. Up-regulates the expression of ATF4, a transcription factor which plays a central role in osteoblast differentiation. Essential for normal spermatogenesis and late testicular differentiation (By similarity).

**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q8R138}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8R138}. Secreted

**Tissue Location**

Expressed in brain microglia (at protein level) (PubMed:26250788). Detected in urine (at protein level) (PubMed:37453717). Elevated expression levels seen in the brain of patients with Alzheimer disease (PubMed:26250788). Expressed by osteoblast-like cells in bone tissues and follicular dendritic cells in lymphoid tissues (PubMed:26250788).

**TM119 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**TM119 Antibody (Center) Blocking Peptide - Images****TM119 Antibody (Center) Blocking Peptide - References**

Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)