

**TMEM108 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9598b****Specification**

---

**TMEM108 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q6UXF1](#)**TMEM108 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 66000**Other Names**

Transmembrane protein 108, TMEM108, KIAA1690

**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.

**TMEM108 Antibody (C-term) Blocking Peptide - Protein Information****Name** TMEM108 ([HGNC:28451](#))**Synonyms** KIAA1690, RTLN**Function**

Transmembrane protein required for proper cognitive functions. Involved in the development of dentate gyrus (DG) neuron circuitry, is necessary for AMPA receptors surface expression and proper excitatory postsynaptic currents of DG granule neurons. Regulates the organization and stability of the microtubule network of sensory neurons to allow axonal transport. Through the interaction with DST, mediates the docking of the dynein/dynactin motor complex to vesicle cargos for retrograde axonal transport. In hippocampal neurons, required for BDNF-dependent dendrite outgrowth. Cooperates with SH3GL2 and recruits the WAVE1 complex to facilitate actin-dependent BDNF:NTRK2 early endocytic trafficking and mediate signaling from early endosomes.

**Cellular Location**

Membrane {ECO:0000250|UniProtKB:Q8BHE4}; Multi-pass membrane protein. Postsynaptic density {ECO:0000250|UniProtKB:Q8BHE4}. Endosome membrane {ECO:0000250|UniProtKB:Q8BHE4}. Cell projection, axon {ECO:0000250|UniProtKB:Q8BHE4}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q8BHE4}. Early endosome {ECO:0000250|UniProtKB:Q8BHE4}

**TMEM108 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**TMEM108 Antibody (C-term) Blocking Peptide - Images****TMEM108 Antibody (C-term) Blocking Peptide - References**

Uhl, G.R., et al. Arch. Gen. Psychiatry 65(6):683-693(2008)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)