

**T106B Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5498a****Specification**

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**T106B Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [O9NUM4](#)  
Other Accession [NP\\_001127704.1](#)

**T106B Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 54664

**Other Names**

Transmembrane protein 106B, TMEM106B

**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.

**T106B Antibody (N-term) Blocking peptide - Protein Information**

**Name** TMEM106B ([HGNC:22407](#))

**Function**

In neurons, involved in the transport of late endosomes/lysosomes (PubMed:[25066864](http://www.uniprot.org/citations/25066864)). May be involved in dendrite morphogenesis and maintenance by regulating lysosomal trafficking (PubMed:[25066864](http://www.uniprot.org/citations/25066864)). May act as a molecular brake for retrograde transport of late endosomes/lysosomes, possibly via its interaction with MAP6 (By similarity). In motoneurons, may mediate the axonal transport of lysosomes and axonal sorting at the initial segment (By similarity). It remains unclear whether TMEM106B affects the transport of moving lysosomes in the anterograde or retrograde direction in neurites and whether it is important in the sorting of lysosomes in axons or in dendrites (By similarity). In neurons, may also play a role in the regulation of lysosomal size and responsiveness to stress (PubMed:[25066864](http://www.uniprot.org/citations/25066864)). Required for proper lysosomal acidification (By similarity).

**Cellular Location**

Late endosome membrane; Single-pass type II membrane protein. Lysosome membrane; Single-pass type II membrane protein. Cell membrane; Single-pass type II membrane protein. Note=Colocalizes with LAMP1. A small fraction resides on the cell surface (PubMed:37421949).

**Tissue Location**

Expressed in the brain, including in the frontal cortex (at protein level) (PubMed:35247328, PubMed:35344985). Expressed in lung epithelial cells (PubMed:33686287)

**T106B Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**T106B Antibody (N-term) Blocking peptide - Images**