

TMEM163 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10833a**Specification**

TMEM163 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q8TC26](#)**TMEM163 Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 81615

Other Names

Transmembrane protein 163, TMEM163

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.

TMEM163 Antibody (N-term) Blocking peptide - Protein Information

Name TMEM163

Function

Zinc ion transporter that mediates zinc efflux and plays a crucial role in intracellular zinc homeostasis (PubMed: [25130899](http://www.uniprot.org/citations/25130899), PubMed: [31697912](http://www.uniprot.org/citations/31697912), PubMed: [36204728](http://www.uniprot.org/citations/36204728)). Binds the divalent cations Zn(2+), Ni(2+), and to a minor extent Cu(2+) (By similarity). Is a functional modulator of P2X purinoceptors, including P2RX1, P2RX3, P2RX4 and P2RX7 (PubMed: [32492420](http://www.uniprot.org/citations/32492420)). Plays a role in central nervous system development and is required for myelination, and survival and proliferation of oligodendrocytes (PubMed: [35455965](http://www.uniprot.org/citations/35455965)).

Cellular Location

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:Q8C996}; Multi-pass membrane protein. Early endosome membrane {ECO:0000250|UniProtKB:A9CMA6}; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Glutamatergic synaptic vesicles {ECO:0000250|UniProtKB:A9CMA6}

Tissue Location

Widely expressed. High expression is detected in brain, lung and testis.

TMEM163 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TMEM163 Antibody (N-term) Blocking peptide - Images**TMEM163 Antibody (N-term) Blocking peptide - Background**

The function of TMEM163 is not known. There are three named isoforms.

TMEM163 Antibody (N-term) Blocking peptide - References

Burre, J., et al. J. Neurochem. 103(1):276-287(2007)