

CALHM3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18988a**Specification**

CALHM3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q86XJ0](#)**CALHM3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 119395**Other Names**

Calcium homeostasis modulator protein 3, Protein FAM26A, CALHM3, FAM26A

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.

CALHM3 Antibody (N-term) Blocking Peptide - Protein Information**Name** CALHM3 ([HGNC:23458](#))**Synonyms** FAM26A**Function**

Pore-forming subunit of gustatory voltage-gated ion channels required for sensory perception of sweet, bitter and umami tastes. With CALHM1 forms a fast-activating voltage-gated ATP-release channel in type II taste bud cells, ATP acting as a neurotransmitter to activate afferent neural gustatory pathways. Acts both as a voltage-gated and calcium-activated ion channel: mediates neuronal excitability in response to membrane depolarization and low extracellular Ca(2+) concentration. Has poor ion selectivity and forms a wide pore (around 14 Angstroms) that mediates permeation of small ions including Ca(2+), Na(+), K(+) and Cl(-), as well as larger ions such as ATP(4-).

Cellular Location

Basolateral cell membrane {ECO:0000250|UniProtKB:J3QMI4}; Multi-pass membrane protein

Tissue Location

Specifically expressed in circumvallate taste bud cells.

CALHM3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CALHM3 Antibody (N-term) Blocking Peptide - Images

CALHM3 Antibody (N-term) Blocking Peptide - Background

The specific function of CALHM3 remains unknown. There are two different isoforms generated by alternative splicing.

CALHM3 Antibody (N-term) Blocking Peptide - References

Shibata, N., et al. J. Alzheimers Dis. 20(2):417-421(2010) Dreses-Werringloer, U., et al. Cell 133(7):1149-1161(2008) Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006) Deloukas, P., et al. Nature 429(6990):375-381(2004)