

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

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**CALHM3 Antibody (N-term) Blocking Peptide - Product Information**

Primary 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 a voltage-gated ion channel, also permeable to larger molecules including ATP. Together with CALHM1, forms a fast-activating voltage-gated ATP-release channel in type II taste bud cells (TBCs). CALHM1-CALHM3-mediated ATP released acts as a neurotransmitter to gustatory neurons in response to GPCR-mediated tastes, including sweet, bitter and umami substances.

**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)