

**CPNE5 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17963b****Specification**

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**CPNE5 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q9HCH3](#)

**CPNE5 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 57699

**Other Names**

Copine-5, Copine V, CPNE5, KIAA1599

**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.

**CPNE5 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** CPNE5 ([HGNC:2318](#))

**Function**

Probable calcium-dependent phospholipid-binding protein that may play a role in calcium-mediated intracellular processes (By similarity). Plays a role in dendrite formation by melanocytes (PubMed:<a href="http://www.uniprot.org/citations/23999003" target="\_blank">23999003</a>).

**Cellular Location**

Perikaryon {ECO:0000250|UniProtKB:Q8JZW4}. Cell projection {ECO:0000250|UniProtKB:Q8JZW4}

**Tissue Location**

Expressed in the brain, heart, stomach, spleen, lymph node and testis (PubMed:12949241).  
Expressed in melanocytes (PubMed:23999003).

**CPNE5 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CPNE5 Antibody (C-term) Blocking Peptide - Images**

#### **CPNE5 Antibody (C-term) Blocking Peptide - Background**

Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene is one of several genes that encode a calcium-dependent protein containing two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. Sequence analysis identified multiple alternatively spliced transcript variants but their full-length natures could not be determined.

#### **CPNE5 Antibody (C-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Mungall, A.J., et al. Nature 425(6960):805-811(2003) Tripodis, N., et al. Genome Res. 8(6):631-643(1998) Creutz, C.E., et al. J. Biol. Chem. 273(3):1393-1402(1998)