

**CPNE6 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16941a****Specification**

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**CPNE6 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O95741](#)**CPNE6 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 9362

**Other Names**

Copine-6, Copine VI, Neuronal-copine, N-copine, CPNE6

**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.

**CPNE6 Antibody (N-term) Blocking Peptide - Protein Information**Name CPNE6 ([HGNC:2319](#))**Function**

Calcium-dependent phospholipid-binding protein that plays a role in calcium-mediated intracellular processes. Binds phospholipid membranes in a calcium-dependent manner (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**

Cytoplasm {ECO:0000250|UniProtKB:Q9Z140}. Cell membrane {ECO:0000250|UniProtKB:Q9Z140}. Endosome {ECO:0000250|UniProtKB:Q9Z140}. Cytoplasmic vesicle, clathrin-coated vesicle {ECO:0000250|UniProtKB:Q9Z140}. Perikaryon {ECO:0000250|UniProtKB:Q9Z140}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q9Z140}. Note=Mainly cytoplasmic in absence of calcium. Associated predominantly with membranes in presence of calcium. Translocates to the cell membrane in a calcium-dependent manner. Colocalized with transferrin in intracellular clathrin-coated membrane vesicles in a calcium-dependent manner {ECO:0000250|UniProtKB:Q9Z140}

**Tissue Location**

Widely expressed in the brain (PubMed:9645480, PubMed:10403379, PubMed:12949241). Expressed weakly in the kidney, liver and fetal heart (PubMed:12949241). Expressed in

melanocytes (PubMed:23999003).

### **CPNE6 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **CPNE6 Antibody (N-term) Blocking Peptide - Images**

### **CPNE6 Antibody (N-term) Blocking Peptide - Background**

This gene encodes a brain-specific member of the copinefamily, which is composed of calcium-dependent membrane-bindingproteins. The gene product contains two N-terminal C2 domains, andone von Willebrand factor A domain. It may have a role in synapticplasticity.

### **CPNE6 Antibody (N-term) Blocking Peptide - References**

Caudell, E.G., et al. Biochemistry 39(42):13034-13043(2000)Nakayama, T., et al. FEBS Lett. 453 (1-2), 77-80 (1999) :Nakayama, T., et al. J. Neurochem. 72(1):373-379(1999)Nakayama, T., et al. FEBS Lett. 428 (1-2), 80-84 (1998) :