

## **CPNE5 Antibody (C-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP17963b

## **Specification**

## **CPNE5 Antibody (C-term) - Product Information**

Application WB,E
Primary Accession Q9HCH3

Other Accession <u>Q8JZW4</u>, <u>NP\_065990.1</u>

Reactivity
Predicted
Host
Clonality
Isotype
Calculated MW
Antigen Region
Human
Mouse
Rabbit
Polyclonal
Rabbit IgG
65734
509-535

## CPNE5 Antibody (C-term) - Additional Information

## **Gene ID 57699**

### **Other Names**

Copine-5, Copine V, CPNE5, KIAA1599

## Target/Specificity

This CPNE5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 509-535 amino acids from the C-terminal region of human CPNE5.

## **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

CPNE5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# **CPNE5 Antibody (C-term) - Protein Information**

Name CPNE5 (HGNC:2318)





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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:23999003).

### **Cellular Location**

Perikaryon {ECO:0000250|UniProtKB:Q8|ZW4}. Cell projection {ECO:0000250|UniProtKB:Q8|ZW4}

#### **Tissue Location**

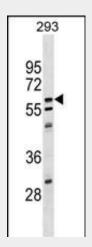
Expressed in the brain, heart, stomach, spleen, lymph node and testis (PubMed:12949241). Expressed in melanocytes (PubMed:23999003).

# **CPNE5 Antibody (C-term) - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

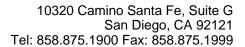
## CPNE5 Antibody (C-term) - Images



CPNE5 Antibody (C-term) (Cat. #AP17963b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the CPNE5 antibody detected the CPNE5 protein (arrow).

## CPNE5 Antibody (C-term) - 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. Seguence analysis identified multiple alternatively spliced transcript variants but their full-length natures could not be determined.





## **CPNE5 Antibody (C-term) - 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)