

## **CPNE6 Antibody (N-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16941a

## Specification

# **CPNE6 Antibody (N-term) - Product Information**

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW Antigen Region WB,E <u>O95741</u> <u>NP\_006023.1</u> Human, Mouse Rabbit Polyclonal Rabbit IgG 61991 138-166

# **CPNE6** Antibody (N-term) - Additional Information

Gene ID 9362

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

Target/Specificity

This CPNE6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-166 amino acids from the N-terminal region of human CPNE6.

**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** CPNE6 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## **CPNE6** Antibody (N-term) - Protein Information

Name CPNE6 (<u>HGNC:2319</u>)

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:<u>23999003</u>).

## **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:000250|UniProtKB:Q9Z140}

#### **Tissue Location**

Widely expressed in the brain (PubMed:10403379, PubMed:12949241, PubMed:9645480). Expressed weakly in the kidney, liver and fetal heart (PubMed:12949241). Expressed in melanocytes (PubMed:23999003).

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

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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



CPNE6 Antibody (N-term) (Cat. #AP16941a) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the CPNE6 antibody detected the CPNE6 protein (arrow).

## CPNE6 Antibody (N-term) - Background

This gene encodes a brain-specific member of the copine family, which is composed of calcium-dependent membrane-binding



proteins. The gene product contains two N-terminal C2 domains, and one von Willebrand factor A domain. It may have a role in synaptic plasticity.

## **CPNE6 Antibody (N-term) - 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) :