

CPNE6 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16941a

Specification

CPNE6 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O95741
Other Accession	NP_006023.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	61991
Antigen Region	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 ([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:[23999003](#)).

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

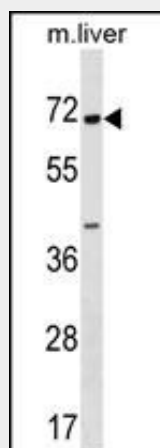
Widely expressed in the brain (PubMed:10403379, PubMed:12949241, PubMed:9645480). Expressed weakly in the kidney, liver and fetal heart (PubMed:12949241). Expressed in melanocytes (PubMed:23999003).

CPNE6 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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) :