

CPNE6 / N-COPINE Antibody (clone 6.4_1B4)
Mouse Monoclonal Antibody
Catalog # ALS15565**Specification**

CPNE6 / N-COPINE Antibody (clone 6.4_1B4) - Product Information

Application	IHC
Primary Accession	O95741
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	62kDa KDa

CPNE6 / N-COPINE Antibody (clone 6.4_1B4) - Additional Information**Gene ID** 9362**Other Names**

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

Target/Specificity

Human CPNE6 / N-COPINE

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

CPNE6 / N-COPINE Antibody (clone 6.4_1B4) is for research use only and not for use in diagnostic or therapeutic procedures.

CPNE6 / N-COPINE Antibody (clone 6.4_1B4) - 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}

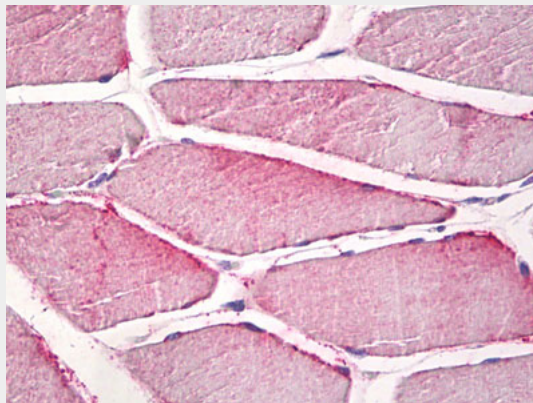
Tissue Location

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 / N-COPINE Antibody (clone 6.4_1B4) - 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 / N-COPINE Antibody (clone 6.4_1B4) - Images

Anti-CPNE6 / N-COPINE antibody IHC staining of human skeletal muscle.

CPNE6 / N-COPINE Antibody (clone 6.4_1B4) - Background

May function in membrane trafficking. Exhibits calcium- dependent phospholipid binding properties. May have a role in synaptic plasticity (By similarity).

CPNE6 / N-COPINE Antibody (clone 6.4_1B4) - References

Nakayama T.,et al.FEBS Lett. 428:80-84(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Heilig R.,et al.Nature 421:601-607(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.