10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Cpne6 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14400

Specification

Cpne6 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q9Z140
Other Accession	NM_009947, NP_034077
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**62kDa KDa**

Cpne6 antibody - C-terminal region - Additional Information

Gene ID 12891

Alias Symbol	**AU067659, BB076446**

Other Names
Copine-6, Copine VI, Neuronal-copine, N-copine, Cpne6

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Cpne6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Cpne6 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Cpne6 antibody - C-terminal region - Protein Information

Name Cpne6 {ECO:0000312|MGI:MGI:1334445}

Function
Calcium-dependent phospholipid-binding protein that plays a role in calcium-mediated intracellular processes. Binds phospholipid membranes in a calcium-dependent manner (PubMed:9886090). Plays a role in dendrite formation by melanocytes (By similarity).

Cellular Location
Cytoplasm. Cell membrane. Endosome. Cytoplasmic vesicle, clathrin-coated vesicle. Perikaryon. Cell projection, dendrite. Note=Mainly cytoplasmic in absence of calcium. Associated

predominantly with membranes in presence of calcium (PubMed:9886090). Translocates to the cell membrane in a calcium- dependent manner (PubMed:21087455, PubMed:26175110). Colocalized with transferrin in intracellular clathrin-coated membrane vesicles in a calcium-dependent manner (PubMed:21087455)

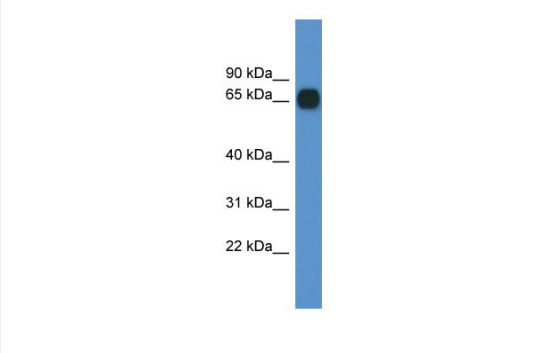
Tissue Location
Expressed in the brain (PubMed:9645480). Expressed in pyramidal cells, granule cells, and neurons in the dentate gyrus of the hippocampus and in granule cells of the olfactory bulb (at protein level). Expressed in pyramidal cells of the CA1-CA3 regions, in granule cells of the dentate gyrus, in granule cells of the olfactory bulbs, in the mitral cell layer and in neurons of the cerebral cortex layer II, brainstem and spinal cord (PubMed:9886090). Not detected in glial cells (PubMed:9645480, PubMed:9886090).

Cpne6 antibody - C-terminal region - 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

Cpne6 antibody - C-terminal region - Images



WB Suggested Anti-Cpne6 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Pancreas

Cpne6 antibody - C-terminal region - References

Nakayama T.,et al.FEBS Lett. 428:80-84(1998).