

Copine-6 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59296**Specification**

Copine-6 Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O95741
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61991

Copine-6 Polyclonal Antibody - Additional Information**Gene ID** 9362**Other Names**

Copine-6, Copine VI, Neuronal-copine, N-copine, CPNE6 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=2319)
HGNC:2319

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Copine-6 Polyclonal Antibody - 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:<http://www.uniprot.org/citations/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

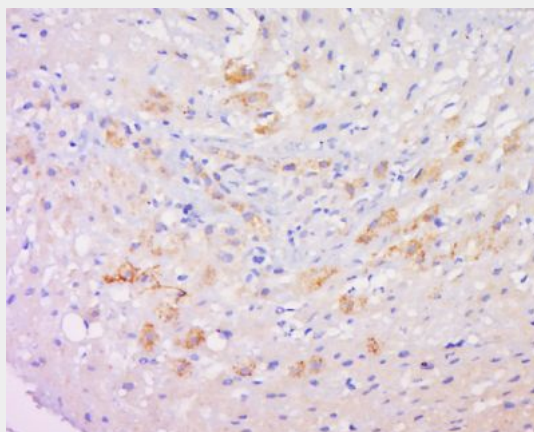
Widely expressed in the brain (PubMed:10403379, PubMed:12949241, PubMed:9645480). Expressed weakly in the kidney, liver and fetal heart (PubMed:12949241). Expressed in melanocytes (PubMed:23999003).

Copine-6 Polyclonal Antibody - 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](#)

Copine-6 Polyclonal Antibody - Images



Tissue/cell: human liver carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Copine-6 Polyclonal Antibody, Unconjugated(bs-9576R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining