

**CPNE3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16669B**

**Specification**

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**CPNE3 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O75131</a>
Other Accession	<a href="#">NP_003900.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	60131
Antigen Region	507-533

**CPNE3 Antibody (C-term) - Additional Information**

**Gene ID** 8895

**Other Names**

Copine-3, Copine III, CPNE3, CPN3, KIAA0636

**Target/Specificity**

This CPNE3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 507-533 amino acids from the C-terminal region of human CPNE3.

**Dilution**

WB~~1:1000

**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**

CPNE3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CPNE3 Antibody (C-term) - Protein Information**

**Name** CPNE3 ([HGNC:2316](#))

**Function** Calcium-dependent phospholipid-binding protein that plays a role in ERBB2-mediated tumor cell migration in response to growth factor heregulin stimulation (PubMed:[20010870](#)).

### Cellular Location

Nucleus. Cytoplasm. Cell membrane Cell junction. Cell junction, focal adhesion. Note=Associates to the membrane in a calcium-dependent manner (PubMed:20010870). Translocates to the cell membrane and the nucleus in a calcium- or growth factor heregulin- dependent manner (PubMed:21087455, PubMed:20010870). Colocalizes with the tyrosine phosphorylated ERBB2 form at cell membrane and focal adhesions in a calcium- or growth factor heregulin-dependent manner (PubMed:20010870).

### Tissue Location

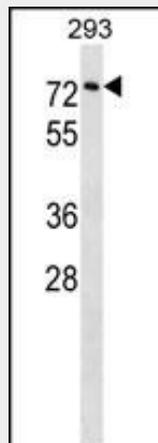
Expressed in breast and weakly in prostate and ovarian tissues (PubMed:20010870). Expressed in neutrophils (at protein level) (PubMed:12949241). Widely expressed (PubMed:11041869). Expressed in the brain. Expressed in neutrophil precursors from the bone marrow and peripheral blood (PubMed:12949241). Expressed in primary breast tumors and ovarian endometrioid adenocarcinoma (PubMed:20010870)

### CPNE3 Antibody (C-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](#)

### CPNE3 Antibody (C-term) - Images



CPNE3 Antibody (C-term) (Cat. #AP16669b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the CPNE3 antibody detected the CPNE3 protein (arrow).

### CPNE3 Antibody (C-term) - Background

Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene encodes a protein which contains two type II C2 domains in the amino-terminus and an A domain-like sequence in the carboxy-terminus. The A domain mediates interactions between

integrins and extracellular ligands.

### **CPNE3 Antibody (C-term) - References**

- Heinrich, C., et al. *Oncogene* 29(11):1598-1610(2010)  
Thomas, G., et al. *Nat. Genet.* 40(3):310-315(2008)  
Cowland, J.B., et al. *J. Leukoc. Biol.* 74(3):379-388(2003)  
Caudell, E.G., et al. *Biochemistry* 39(42):13034-13043(2000)  
Creutz, C.E., et al. *J. Biol. Chem.* 273(3):1393-1402(1998)