

CPNE3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16669b**Specification**

CPNE3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O75131](#)**CPNE3 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 8895

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CPNE3 Antibody (C-term) Blocking Peptide - Protein InformationName 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CPNE3 Antibody (C-term) Blocking Peptide - Images

CPNE3 Antibody (C-term) Blocking Peptide - 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 IIC2 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) Blocking Peptide - 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)