

CDCP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16364b**Specification**

CDCP1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9H5V8](#)

CDCP1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 64866

Other Names

CUB domain-containing protein 1, Membrane glycoprotein gp140, Subtractive immunization M plus HEp3-associated 135 kDa protein, SIMA135, Transmembrane and associated with src kinases, CD318, CDCP1, TRASK

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.

CDCP1 Antibody (C-term) Blocking Peptide - Protein Information

Name CDCP1

Synonyms TRASK

Function

May be involved in cell adhesion and cell matrix association. May play a role in the regulation of anchorage versus migration or proliferation versus differentiation via its phosphorylation. May be a novel marker for leukemia diagnosis and for immature hematopoietic stem cell subsets. Belongs to the tetraspanin web involved in tumor progression and metastasis.

Cellular Location

[Isoform 1]: Cell membrane; Single-pass membrane protein. Note=Shedding may also lead to a soluble peptide

Tissue Location

Highly expressed in mitotic cells with low expression during interphase. Detected at highest levels in skeletal muscle and colon with lower levels in kidney, small intestine, placenta and lung. Up-regulated in a number of human tumor cell lines, as well as in colorectal cancer, breast carcinoma and lung cancer. Also expressed in cells with phenotypes reminiscent of mesenchymal

stem cells and neural stem cells.

CDCP1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CDCP1 Antibody (C-term) Blocking Peptide - Images

CDCP1 Antibody (C-term) Blocking Peptide - Background

CDCP1 is a transmembraneprotein containing three extracellular CUB domains. This protein isfound to be overexpressed in colon and lung cancers. Its expressionlevel is correlated with the metastatic ability of carcinoma cells.This protein is located on the cell surface. It has been shown tobe tyrosine phosphorylated in a cancer cell line. Alternativelyspliced transcript variants encoding distinct isoforms have beenreported.

CDCP1 Antibody (C-term) Blocking Peptide - References

He, Y., et al. J. Biol. Chem. 285(34):26162-26173(2010)Miyazawa, Y., et al. Cancer Res. 70(12):5136-5146(2010)Mamat, S., et al. Oncol. Rep. 23(5):1221-1227(2010)Fukuchi, K., et al. Mol. Pharm. 7(1):245-253(2010)Deryugina, E.I., et al. Mol. Cancer Res. 7(8):1197-1211(2009)