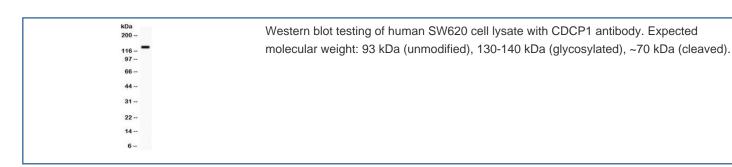


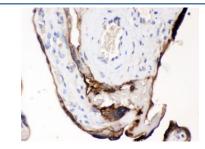
# CDCP1 Antibody / SIMA135 (R32422)

Catalog No.	Formulation	Size
R32422	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

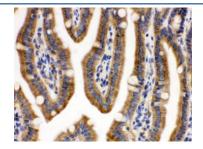
## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9H5V8
Localization	Cytoplasmic, membranous
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This CDCP1 antibody is available for research use only.

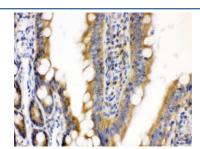




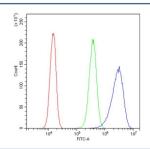
IHC testing of FFPE human placenta with CDCP1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



IHC testing of FFPE mouse intestine with CDCP1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



IHC testing of FFPE rat intestine with CDCP1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



Flow cytometry testing of human PC-3 cells with CDCP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CDCP1 antibody.

## **Description**

CUB domain-containing protein 1 (CDCP1) is a protein that in humans is encoded by the CDCP1 gene. It has also been designated as CD318 (cluster of differentiation 318) and Trask (Transmembrane and associated with src kinases). CDCP1/Trask is a 140 kD transmembrane glycoprotein with a large extracellular domain (ECD) containing two CUB domains, and a smaller intracellular domain (ICD) containing five tyrosines. The tyrosine phosphorylation of Trask is tightly regulated and reciprocally linked with the state of cell adhesion. The tyrosine phosphorylation of CDCP1 in cultured cells occurs when cells are induced to detach by trypsin or EDTA, or seen spontaneously during mitotic detachment. The overexpression of CDCP1 leads to the loss of cell adhesion and a detached phenotype. CDCP1 is widely expressed in human epithelial tissues, but its phosphorylation is only seen in mitotically detached or shedding cells, consistent with its role in the negative regulation of cell adhesion.

### **Application Notes**

Optimal dilution of the CDCP1 antibody should be determined by the researcher.

1. Required HIER for FFPE samples: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.

## **Immunogen**

Amino acids R582-T667 of the human protein were used as the immunogen for the CDCP1 antibody.

#### **Storage**

After reconstitution, the CDCP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.

References (1)