



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Goat Anti-CDCP1 (isoform 1, C term)

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
ER-14-0299

**Accession Number**  
NP\_073753.3

#### ***Target Protein***

**Principal Names:** transmembrane and associated with src kinases, CUB domain-containing protein 1, TRASK, SIMA135, CD318, HGNC:24357, CUB domain containing protein 1, CDCP1

**Official Symbol:** CDCP1

**Accession Number(s):** NP\_073753.3

**Human GeneID(s):** 64866

**Important Comments:** This antibody is expected to recognize isoform 1 (NP\_073753.3) only.

#### ***Immunogen***

Peptide with sequence C-PLLNTQEPMEPAE, from the C Terminus of the protein sequence according to NP\_073753.3.

Please note the peptide is available for sale.

**Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### ***Applications Tested***

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 90kDa band observed in Human Colon lysates (calculated MW of 92.3kDa according to NP\_073753.3). Recommended concentration: 1-3µg/ml. An additional band of unknown identity was also consistently observed at 200kDa. This band was successfully blocked by incubation with the immunising peptide. We would appreciate any feedback from people in the field - have any such results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**IHC:** This antibody has been successfully used in IHC for human endometrium as described in the following paper: Mamat et al, Oncol Rep. 2010 May;23(5):1221-7; PMID: 20372833.

**Immunoprecipitation:** This antibody has been successfully used in IP from A549 cells as described in the following paper: Uekita et al, Mol Cell Biol. 2007 Nov;27(21):7649-60.; PMID: 17785447.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### *Species Reactivity*

**Tested:** Human

**Expected from sequence similarity:** Human

### *Specific References*

**The goat polyclonal antibody used in the following papers was manufactured by us:**

Mamat S, Ikeda J, Enomoto T, Ueda Y, Rahadiani N, Tian T, Wang Y, Qiu Y, Kimura T, Aozasa K, Morii E. Prognostic significance of CUB domain containing protein expression in endometrioid adenocarcinoma. *Oncol Rep.* 2010 May;23(5):1221-7. **PMID:** 20372833

Deryugina EI, Conn EM, Wortmann A, Partridge JJ, Kupriyanova TA, Ardi VC, Hooper JD, Quigley JP. Functional role of cell surface CUB domain-containing protein 1 in tumor cell dissemination. *Mol Cancer Res.* 2009 Aug;7(8):1197-211. **PMID:** 19671673

Ikeda J, Oda T, Inoue M, Uekita T, Sakai R, Okumura M, Aozasa K, Morii E. Expression of CUB domain containing protein (CDCP1) is correlated with prognosis and survival of patients with adenocarcinoma of lung. *Cancer Sci.* 2009 Mar;100(3):429-33. **PMID:** 19077003

Uekita T, Jia L, Narisawa-Saito M, Yokota J, Kiyono T, Sakai R. CUB domain-containing protein 1 is a novel regulator of anoikis resistance in lung adenocarcinoma. *Mol Cell Biol.* 2007 Nov;27(21):7649-60. **PMID:** 17785447

Ikeda JI, Morii E, Kimura H, Tomita Y, Takakuwa T, Hasegawa JI, Kim YK, Miyoshi Y, Noguchi S, Nishida T, Aozasa K. Epigenetic regulation of the expression of the novel stem cell marker CDCP1 in cancer cells. *J Pathol.* 2006 Sep;210(1):75-84. **PMID:** 16823897

### *Secondary Antibody Applications*

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

### *Image*



ER-14-0299 (1 µg/ml) staining of Human Colon lysate (35 µg protein in RIPA buffer).  
Primary incubation was 1 hour. Detected by chemiluminescence.

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