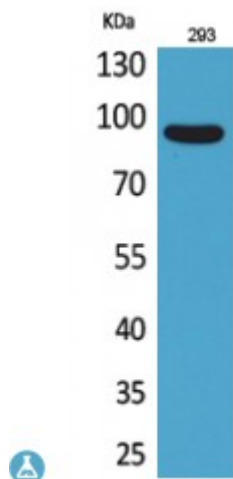


## Anti-CDCP1 antibody



<b>Description</b>	Rabbit polyclonal to CDCP1.
<b>Model</b>	STJ96656
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	ELISA, IHC, WB
<b>Immunogen</b>	Synthesized peptide derived from human CDCP1.
<b>Immunogen Region</b>	241-290 aa, Internal
<b>Gene ID</b>	<a href="#">64866</a>
<b>Gene Symbol</b>	<a href="#">CDCP1</a>
<b>Dilution range</b>	WB 1:500-1:2000IHC-P 1:100-300ELISA 1:20000
<b>Specificity</b>	CDCP1 Polyclonal Antibody detects endogenous levels of CDCP1 protein.
<b>Tissue Specificity</b>	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.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	CUB domain-containing protein 1 Membrane glycoprotein gp140 Subtractive

	immunization M plus HEp3-associated 135 kDa protein SIMA135 Transmembrane and associated with src kinases CD antigen CD318
<b>Molecular Weight</b>	95 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ncbi.nlm.nih.gov/omim/243570">HGNC:243570</a> <a href="https://www.ncbi.nlm.nih.gov/omim/611735">MIM:611735</a>
<b>Alternative Names</b>	CUB domain-containing protein 1 Membrane glycoprotein gp140 Subtractive immunization M plus HEp3-associated 135 kDa protein SIMA135 Transmembrane and associated with src kinases CD antigen CD318
<b>Function</b>	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.
<b>Cellular Localization</b>	Isoform 1: Cell membrane. Shedding may also lead to a soluble peptide.. Isoform 3: Secreted.
<b>Post-translational Modifications</b>	Phosphorylated on tyrosine by kinases of the SRC family such as SRC and YES as well as by the protein kinase C gamma/PRKCG. Dephosphorylated by phosphotyrosine phosphatases. Also phosphorylated by suramin, a heparin analog. Tyrosine phosphorylated in response to dissociation of integrin alpha-6 beta-4 from laminin-5. N-glycosylated. A soluble form may also be produced by proteolytic cleavage at the cell surface (shedding). Another peptide of 80 kDa (p80) is present in cultured keratinocytes probably due to tryptic cleavage at an unidentified site on its N-terminal side. Converted to p80 by plasmin, a trypsin-like protease.