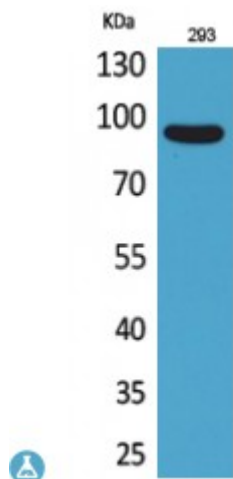


Anti-CDCP1 antibody



Description	Rabbit polyclonal to CDCP1.
Model	STJ96656
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human CDCP1.
Immunogen Region	241-290 aa, Internal
Gene ID	64866
Gene Symbol	CDCP1
Dilution range	WB 1:500-1:2000IHC-P 1:100-300ELISA 1:20000
Specificity	CDCP1 Polyclonal Antibody detects endogenous levels of CDCP1 protein.
Tissue Specificity	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	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
Molecular Weight	95 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:243570 MIM:611735
Alternative 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 CD antigen CD318
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 Localization	Isoform 1: Cell membrane. Shedding may also lead to a soluble peptide.. Isoform 3: Secreted.
Post-translational Modifications	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.