Anti-CDCP1 Antibody

Description	This gene encodes a transmembrane protein which contains three extracellular CUB domains and acts as a substrate for Src family kinases. The protein plays a role in the tyrosine phosphorylation-dependent regulation of cellular events that are involved in tumor invasion and metastasis. Alternative splicing results in multiple transcript variants of this gene.
Model	STJ116082
Host	Rabbit
Reactivity	Human, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 30-343 of human CDCP1 (NP_835488.1).
Gene ID	64866
Gene Symbol	CDCP1
Dilution range	WB 1:500 - 1:2000
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	Affinity purification
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	92.932 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:24357OMIM: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	Cell membrane, 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,