CDCP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDCP1, Polyclonal Antibody
Full Product Name	CDCP1 Polyclonal Antibody
Product Gene Name	anti-CDCP1 antibody
Product Synonym Names	CDCP1; TRASK; CUB domain-containing protein 1; Membrane glycoprotein gp140; Subtractive immunization M plus HEp3-associated 135 kDa protein; SIMA135; Transmembrane and associated with src kinases; CD318
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	CDCP1 Polyclonal Antibody detects endogenous levels of CDCP1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	37,818 Da
OMIM	611735
3D Structure	ModBase 3D Structure for Q9H5V8
Immunogen	Synthesized peptide derived from the Internal region of human CDCP1.
Product Categories/Family for anti-CDCP1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDCP1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CDCP1 antibody	WB: 1:500-1:2000 ELISA: 1:20000
Related Product Information for anti-CDCP1 antibody	MBS8592994 is an antibody targeting CDCP1. Also known as CDCP1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CDCP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDCP1. It may not necessarily be applicable to this product.

NCBI GI #	30410805
NCBI GeneID	64866
NCBI Accession #	NP_073753.3

UniProt Primary Accession #	Q9H5V8
UniProt Secondary Accession #	Q49UB4; Q6NT71; Q6U9Y2; Q8WU91; Q96QU7; Q9H676; Q9H8C2
UniProt Related Accession #	Q9H5V8
GenBank Nucleotide #	NM_022842.4
NCBI Official Full Name	CUB domain-containing protein 1 isoform 1
NCBI Official Synonym Full Names	CUB domain containing protein 1
NCBI Official Symbol	CDCP1
NCBI Official Synonym Symbols	CD318; TRASK; SIMA135
UniProt Protein Name	CUB domain-containing protein 1
UniProt Synonym Protein Names	Membrane glycoprotein gp140; Subtractive immunization M plus HEp3-associated 135 kDa protein; SIMA135; Transmembrane and associated with src kinases; CD_antigen: CD318
Protein Family	CUB domain-containing protein
UniProt Gene Name	CDCP1
UniProt Synonym Gene Names	TRASK; SIMA135
UniProt Entry Name	CDCP1_HUMAN
NCBI Protein Information	CUB domain-containing protein 1
NCBI Summary for CDCP1	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. [provided by RefSeq, May 2013]
UniProt Comments for CDCP1	CDCP1: a transmembrane protein containing three extracellular CUB domains involved in cell adhesion and cell matrix association. May play a role in the regulation of anchorage versus migration or proliferation versus differentiation depending upon its phosphorylation status. Interacts with N- and P-cadherin, syndecans 1 and 4, the serine protease ST14, SRC and PKCG. 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. Its expression level is correlated with the metastatic ability of carcinoma cells. 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. Also expressed in cells with phenotypes reminiscent of mesenchymal stem cells and neural stem cells. Three alternatively spliced human isoforms have been reported. Isoform 1 is a single-pass membrane protein that may also be shed, giving rise to a soluble peptide. Isoform 3 is secreted. Protein type: Membrane protein, integral; Cell surface Chromosomal Location of Human Ortholog: 3p21.31 Molecular Function: protein binding
Research Articles on CDCP1	**1.** CDCP1 protein plays an important role in the progression of ovarian clear cell carcinoma. Elevated CDCP1 levels correlates with poor patient outcome in ovarian clear cell carcinoma patients.
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