ARG63499
anti-CDCP1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CDCP1
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize isoform 1 (NP_073753.3) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CDCP1
Species	Human
Immunogen	PLLNTQEPMEPAE
Conjugation	Un-conjugated
Alternate Names	Membrane glycoprotein gp140; CD antigen CD318; SIMA135; Subtractive immunization M plus HEp3-associated 135 kDa protein; CUB domain-containing protein 1; TRASK; Transmembrane and associated with src kinases; CD318

Application Instructions

Application table

Application	Dilution
IHC-P	5 µg/ml
WB	1 - 3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

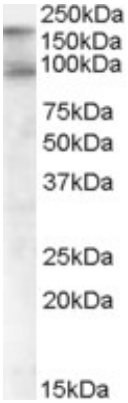
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

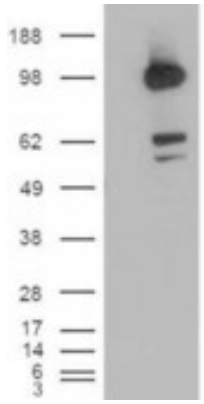
Database links	GeneID: 64866 Human Swiss-port # Q9H5V8 Human
Background	The protein encoded by this gene is a transmembrane protein containing three extracellular CUB domains. This protein is found to be overexpressed in colon and lung cancers. Its expression level is correlated with the metastatic ability of carcinoma cells. This protein is located on the cell surface. It has been shown to be tyrosine phosphorylated in a cancer cell line. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Controls and Markers antibody; Developmental Biology antibody
Calculated Mw	93 kDa
PTM	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.

Images



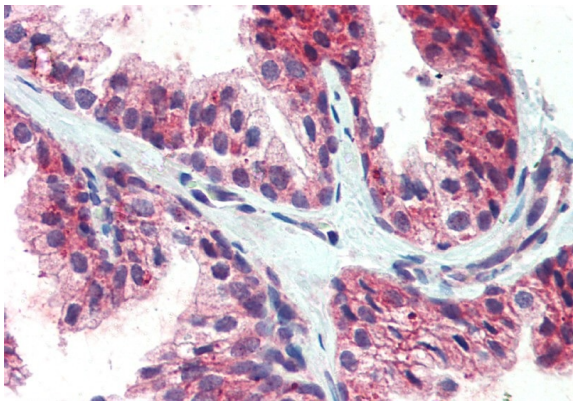
ARG63499 anti-CDCP1 antibody WB image

Western Blot: Human Colon lysate (35 µg protein in RIPA buffer) stained with ARG63499 anti-CDCP1 antibody at 1 µg/ml dilution.



ARG63499 anti-CDCP1 antibody WB image

Western Blot: 1). Mock transfection; 2) CDCP1 (RC220633) expressing plasmid transfected HEK293 cell lysate standed with ARG63499 anti-CDCP1 antibody



ARG63499 anti-CDCP1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63499 anti-CDCP1 antibody at 5 µg/ml dilution followed by AP-staining.