

CDCP1 (Phospho Tyr734) Rabbit pAb

CatalogNo: YP1297

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 95kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human CDCP1 (Tyr734)

Specificity This antibody detects endogenous levels of Human CDCP1 (phospho-Tyr734)

Target Information

Gene name CDCP1 TRASK UNQ2486/PRO5773

Protein Name CDCP1 (Tyr734)

Organism	Gene ID	UniProt ID
Human	64866 ;	Q9H5V8 ;
Mouse	109332 ;	Q5U462 ;

Cellular Localization [Isoform 1]: Cell membrane ; Single-pass membrane protein . Shedding may also lead to a soluble peptide.; [Isoform 3]: Secreted.

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.

Function 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. ,PTM: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. ,PTM:N-glycosylated. ,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. ,similarity:Contains 1 CUB domain. ,subcellular location:Shedding may also lead to a soluble peptide. ,subunit:Interacts with CDH2/N-cadherin , CDH3/P-cadherin , SDC1/syndecan-1 , SDC4/syndecan-4 and the serine protease ST14/MT-SP1. Also interacts with SRC and PRKCG/protein kinase C gamma. ,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. ,

| Validation Data

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