

For Research Use Only

CDCP1/CD318 Recombinant monoclonal antibody

Catalog Number: 87514-4-RR



Basic Information

Catalog Number: 87514-4-RR	GenBank Accession Number: NM_133974.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 109332	CloneNo.: 251667H4
Source: Rabbit	UNIPROT ID: Q5U462	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	Full Name: CUB domain containing protein 1	
Immunogen Catalog Number: EG6199	Calculated MW: 93 kDa	
	Observed MW: 130-140 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse colon tissue, rat skin tissue, rat colon tissue
Species Specificity: mouse, rat	

Background Information

CD318 (also known as CDCP1, TRASK, SIMA135, or gp140) is a cell-surface glycoprotein with an apparent molecular mass of 140 kDa. It consists of three extracellular CUB domains, a transmembrane domain, and an intracellular domain. CD318 can be proteolytically cleaved between the two distal CUB domains by certain serine proteases, resulting in different ratios of the 140-kDa intact molecule and the 80-kDa cleaved product on various cells. Cleaved CD318 is phosphorylated and activated by Src kinase, then the activated CD318 forms a complex with activated $\beta 1$ integrin and activates FAK/PI3K/Akt motility signaling to promote early tumor dissemination. Under normal conditions, CD318 is present on many epithelial cells, some hematopoietic cells (18), and mesenchymal stem cells. CD318 is also present on many tumor cells. Up-regulation of CD318 expression is associated with a poor prognosis for many cancer patients.

Storage

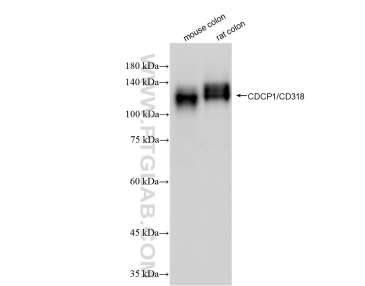
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

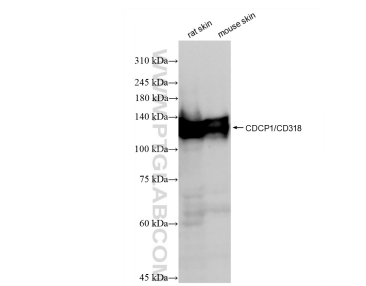
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87514-4-RR (CDCP1/CD318 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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