

For Research Use Only

Multi-rAb® CKAP4 Multi-Recombinant antibody

Catalog Number: RMX00054



Basic Information

Catalog Number: RMX00054	GenBank Accession Number: BC082972	Purification Method: N/A
Size: 100ul , Concentration: 1020 µg/ml by Nanodrop;	GeneID (NCBI): 10970	Recommended Dilutions: WB: 1:20000-1:100000
Source: Rabbit	UNIPROT ID: Q07065	IHC: 1:200-1:800
Isotype: IgG	Full Name: cytoskeleton-associated protein 4	IF/ICC: 1:250-1:1000
	Calculated MW: 602 aa, 66 kDa	
	Observed MW: 63 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : A431 cells, NIH/3T3 cells, HeLa cells, U-251 cells, C6 cells, HSC-T6 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue,
	IF/ICC : U2OS cells,

Background Information

CKAP4 (Cytoskeleton-associated protein 4), also known as CLIMP-63 (cytoskeleton-linking membrane protein 63), is a 63 kDa cytoskeleton-linking membrane protein. CKAP4 is a novel DKK1-binding protein on the cell surface membrane of Madin-Darby canine kidney (MDCK) epithelial cells, and evaluated CKAP4-mediated DKK1 signaling in cancer cell proliferation (PMID: 27322059). In addition, CKAP4 was modified with palmitate at Cys100 by palmitoyl acyltransferase DHHC2 (PMID: 18296695), and palmitoylation was required for CKAP4 localization to PM lipid rafts to promote cancer cell proliferation (PMID: 31744930).

Storage

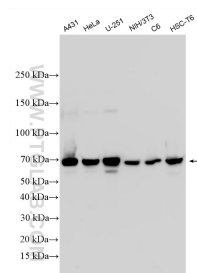
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

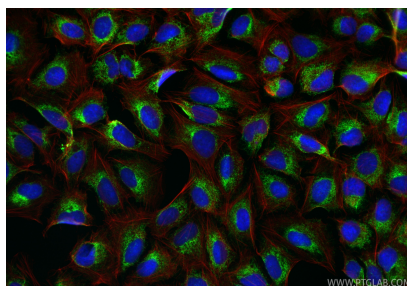
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00054 (CKAP4 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CKAP4 antibody (RMX00054) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).