

For Research Use Only

CKAP4 Recombinant antibody, PBS Only

Catalog Number: 84485-5-PBS



Basic Information

Catalog Number: 84485-5-PBS	GenBank Accession Number: BC082972	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10970	CloneNo.: 241871C5
Source: Rabbit	UNIPROT ID: Q07065	
Isotype: IgG	Full Name: cytoskeleton-associated protein 4	
Immunogen Catalog Number: AG10022	Calculated MW: 602 aa, 66 kDa	
	Observed MW: 63 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse

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

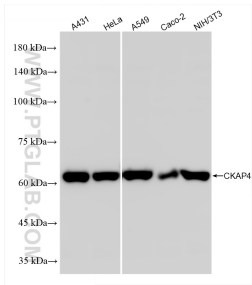
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

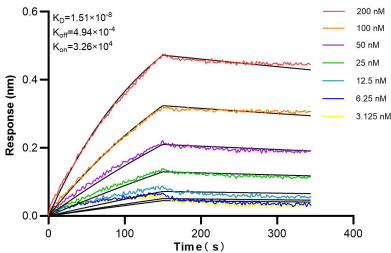
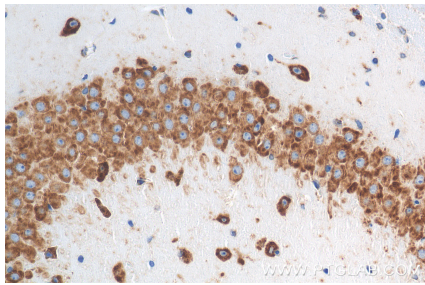
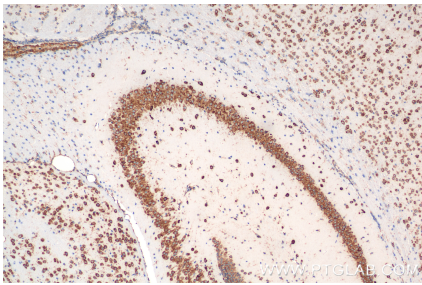
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84485-5-RR (CKAP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84485-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84485-5-RR against Human CKAP4 were performed. The affinity constant is 15.1 nM.