

Multi-rAb® CKAP4 Multi-Recombinant antibody

Catalog Number: RMX00054

Basic Information

Catalog Number:

RMX00054

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC082972

GeneID (NCBI):

10970

UNIPROT ID:

Q07065

Full Name:

cytoskeleton-associated protein 4

Calculated MW:

602 aa, 66 kDa

Observed MW:

63 kDa

Purification Method:

N/A

Recommended Dilutions:

WB: 1:20000-1:100000

IHC: 1:200-1:800

IF/ICC: 1:250-1:1000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A431 cells, NIH/3T3 cells, HeLa cells, U-251 cells, C6 cells, HSC-T6 cells

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:

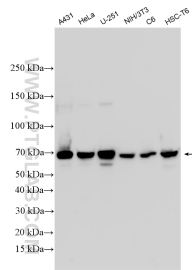
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

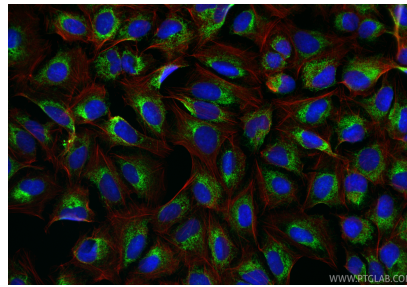
PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

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).