

For Research Use Only

CKAP4 Polyclonal antibody

Catalog Number: 16686-1-AP **38 Publications**



Basic Information

Catalog Number:

16686-1-AP

Size:

150ul , Concentration: 400 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10019

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

WB, IP, IF, IHC, ELISA

Cited Applications:

WB, IP, IF, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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, rat kidney tissue, HeLa cells, HepG2 cells, NIH/3T3 cells

IP: HeLa cells,

IHC: human kidney tissue, human liver tissue

IF: HepG2 cells,

Background Information

CKAP4, also named as Climp-63, is a 63 kDa cytoskeleton-linking membrane protein. It is the partner of triadin. CKAP4 is responsible for this association of triads and microtubules.

Notable Publications

Author	Pubmed ID	Journal	Application
Gui-Feng Lu	30288057	Onco Targets Ther	WB,IHC
Svenja Zielke	33111629	Autophagy	WB,IF
Michael L van de Weijer	33065021	Mol Cell	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

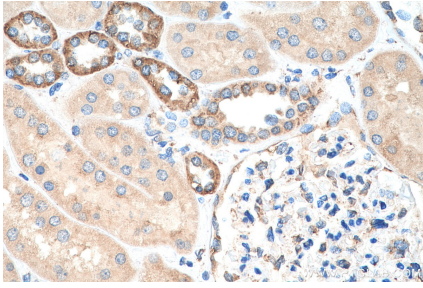
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

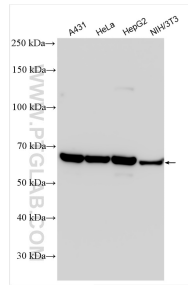
E: proteintech@ptglab.com
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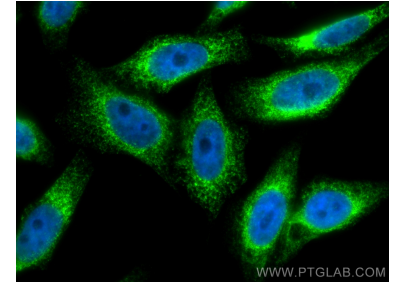
Selected Validation Data



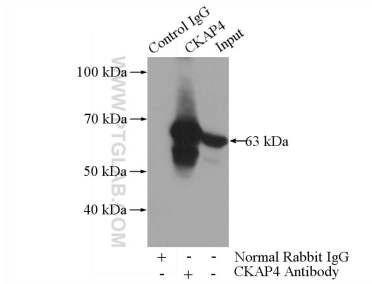
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16686-1-AP (CKAP4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 16686-1-AP (CKAP4 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CKAP4 antibody (16686-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-CKAP4 (IP:16686-1-AP, 4ug; Detection:16686-1-AP 1:1000) with HeLa cells lysate 2000ug.