

For Research Use Only

CKAP4 Polyclonal antibody

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



Basic Information

Catalog Number: 16686-1-AP	GenBank Accession Number: BC082972	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 10970	Recommended Dilutions: WB 1:5000-1:50000
Source: Rabbit	UNIPROT ID: Q07065	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: cytoskeleton-associated protein 4	IHC 1:50-1:500
Immunogen Catalog Number: AG10019	Calculated MW: 602 aa, 66 kDa	IF 1:50-1:500
	Observed MW: 63 kDa	

Applications

Tested Applications: IF/ICC, IHC, IP, WB, ELISA	Positive Controls: WB : A431 cells, rat kidney tissue, HeLa cells, HepG2 cells, NIH/3T3 cells
Cited Applications: WB, IP, IF, IHC, CoIP	IP : HeLa cells,
Species Specificity: human, mouse, rat	IHC : human kidney tissue, human liver tissue
Cited Species: human, rat, mouse	IF : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

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

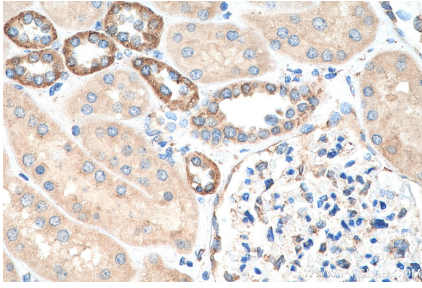
T: 4006900926

E: Proteintech-CN@ptglab.com

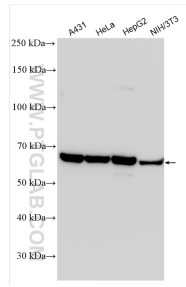
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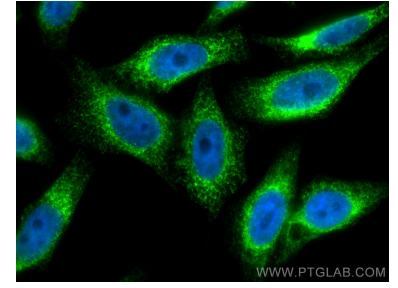
Selected Validation Data



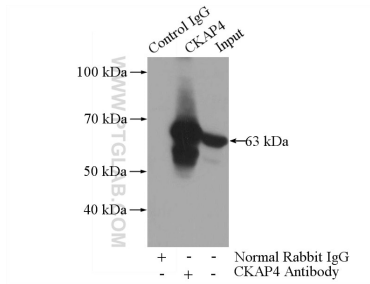
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16686-1-AP (CKAP4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.