

For Research Use Only

NCAPD3 Polyclonal antibody

Catalog Number: 16828-1-AP **5 Publications**



Basic Information

Catalog Number: 16828-1-AP	GenBank Accession Number: BC011408	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23310	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:50-1:500
Source: Rabbit	Full Name: non-SMC condensin II complex, subunit D3	
Isotype: IgG	Calculated MW: 1498 aa, 169 kDa	
Immunogen Catalog Number: AG10429	Observed MW: 165 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls: WB : HepG2 cells, HeLa cells, MCF-7 cells
Cited Applications: IF, WB	IP : HeLa cells,
Species Specificity: human	IF : HepG2 cells,
Cited Species: human, bovine	

Background Information

Condensin complexes I and II play essential roles in mitotic chromosome assembly and segregation. Both condensins contain 2 invariant structural maintenance of chromosome (SMC) subunits, SMC2 and SMC4, but they contain different sets of non-SMC subunits. NCAPD3 is 1 of 3 non-SMC subunits that define condensin II (PMID: 14532007).

Notable Publications

Author	Pubmed ID	Journal	Application
Jae Hyeong Kim	36380731	Mol Cells	WB
Xin Hu	32070024	Int J Mol Sci	IF
Makoto M Yoshida	35983835	Elife	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

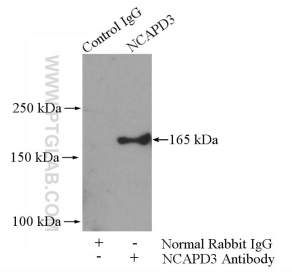
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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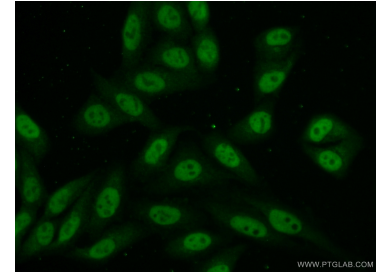
Selected Validation Data



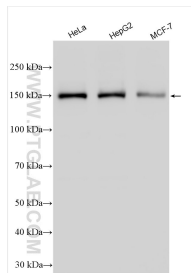
HepG2 cells were subjected to SDS PAGE followed by western blot with 16828-1-AP (NCAPD3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



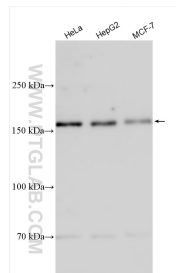
IP Result of anti-NCAPD3 (IP:16828-1-AP, 4 μ g; Detection:16828-1-AP 1:500) with HeLa cells lysate 600 μ g.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 16828-1-AP (NCAPD3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 16828-1-AP (NCAPD3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 16828-1-AP (NCAPD3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.