

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NCAPH



Numéro de catalogue: 11515-1-AP

Phare

7 Publications

Informations de base

Numéro de catalogue:
11515-1-AP

Taille:
150ul, Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2076

Numéro d'acquisition GenBank:
BC024211

Identification du gène (NCBI):
23397
Nom complet:
non-SMC condensin I complex, subunit H

MW calculé:
741 aa, 83 kDa

MW observés:
83-100 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:4000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:20-1:200

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HEK-293, cellules HeLa, cellules Jurkat, cellules K-562

IP : cellules HeLa,

IHC : tissu de cancer du côlon humain,

IF : cellules HepG2,

Informations générales

Non-SMC condensin I complex subunit H (NCAPH) is one of the three non-SMC subunits in condensin I, which belongs to a recently defined superfamily of proteins termed kleisins. Another two non-SMC subunits, CAP-D2 and CAP-G, share a highly degenerate repeating motif known as HEAT repeat. Some studies show that each subunit is essential for viability and plays an important role in mitotic chromosome architecture and segregation. In recent years, researchers found that the high expression of NCAPH was associated with poor prognosis in patients with non-small cell lung cancer and prostate cancer. Downregulation of NCAPH inhibited the proliferation, migration, and invasion of several cancer cells significantly. Moreover, NCAPH was involved in the regulation of mature chromosome condensation and DNA damage. These data suggest that NCAPH may be a key carcinogen involved in the development and progression of human malignant tumors. (PMID: 28300828, PMID: 33311486)

Publications notables

Autrice	Pubmed ID	Journal	Application
Chengjun Sun	31523845	Mol Carcinog	WB,IHC
Takuya Ogura	34768935	Int J Mol Sci	WB,IHC
Masatoshi Takagi	29487178	J Cell Sci	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

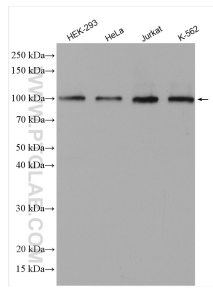
For technical support and original validation data for this product please contact:

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

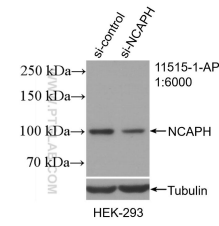
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

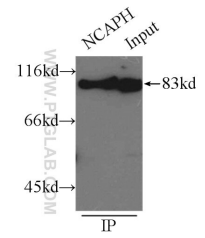
Données de validation sélectionnées



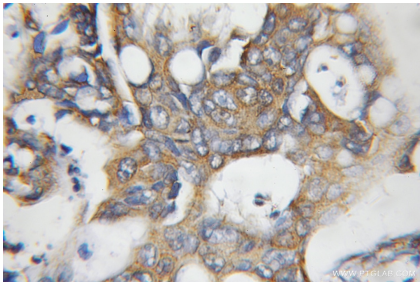
Various lysates were subjected to SDS PAGE followed by western blot with 11515-1-AP (NCAPH antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



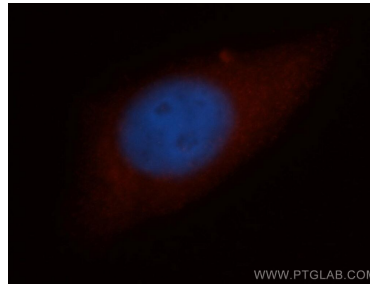
WB result of NCAPH antibody (11515-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NCAPH transfected HEK-293 cells.



IP Result of anti-NCAPH (IP:11515-1-AP, 3ug; Detection:11515-1-AP 1:800) with HeLa cells lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11515-1-AP (NCAPH antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of HepG2 cells, using NCAPH antibody 11515-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).