

À des fins de recherche uniquement

Anticorps Monoclonal anti-NCAPH

Numéro de catalogue: 67655-1-Ig Phare



Informations de base

Numéro de catalogue: 67655-1-Ig	Numéro d'acquisition GenBank: BC024211	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 700 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 23397	CloneNo.: 3D2F11
Hôte: Mouse	Nom complet: non-SMC condensin I complex, subunit H	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:200-1:800
Isotype: IgG1	MW calculé 741 aa, 83 kDa	
Immunogen Catalog Number: AG27748	MW observés: 83-100 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Spécificité de l'espèce:

Humain, rat, souris

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

Contrôles positifs:

WB : cellules HeLa, cellules 4T1, cellules HEK-293, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules NIH/3T3

IHC : tissu de cancer du foie humain, tissu de cancer du côlon humain

IF : tissu de cancer du foie humain,

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)

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.

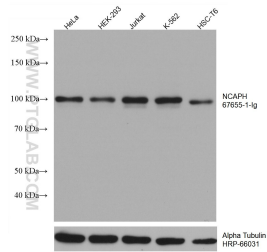
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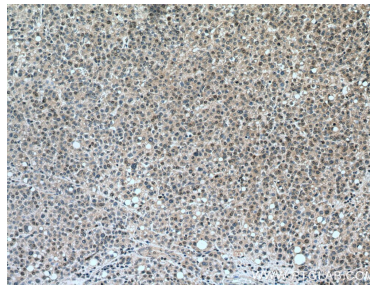
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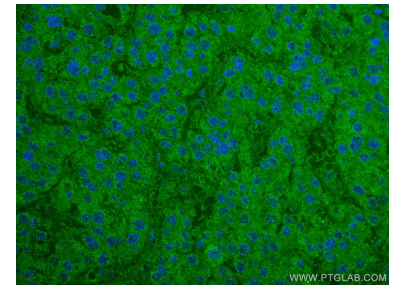
Données de validation sélectionnées



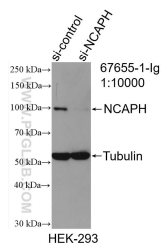
Various lysates were subjected to SDS PAGE followed by western blot with 67655-1-Ig (NCAPH antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67655-1-Ig (NCAPH antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using NCAPH antibody (67655-1-Ig, Clone: 3D2F11) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB result of NCAPH antibody (67655-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NCAPH transfected HEK-293 cells.