

NCAPH Polyclonal Antibody

Catalog number: 11515-1-AP

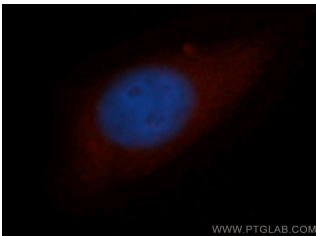
Size: 22 µg/150 µl

Source: Rabbit

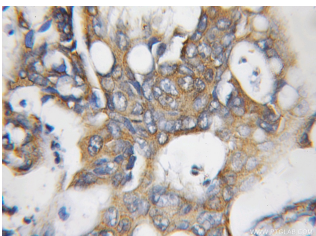
Isotype: IgG

Synonyms:

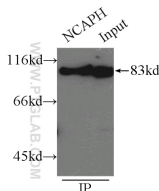
NCAPH; Barren homolog protein 1, BRRN, BRRN1, CAP H, CAPH, Condensin complex subunit 2, HCAP H, KIAA0074, NCAPH, XCAP H homolog



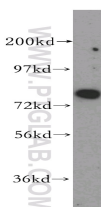
Immunofluorescent analysis of HepG2 cells, using NCAPH antibody 11515-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



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



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



Background

NCAPH/BRRN gene encodes a member of the BARR gene family and a regulatory subunit of the condensin complex, which contains the SMC2 and SMC4 heterodimer, and three non SMC subunits that probably regulate the complex. This complex is required for the conversion of interphase chromatin into condensed chromosomes. The protein hCAP-H, encoded by NCAPH gene, is associated with mitotic chromosomes, except during the early phase of chromosome condensation. During interphase hCAP-H, -C, and -E, have distinct punctate nucleolar localization, suggesting that condensin may associate with and modulate the conformation and function of rDNA (PMID: 11694586).

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated NCAPH MW:	741aa, 83 kDa
Observed NCAPH MW:	83kd
Positive WB detected in:	HeLa cells, A375 cells
Positive IP detected in:	HeLa cells
Positive IHC detected in:	Human colon cancer
Positive IF detected in:	HepG2
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2076
GenBank accession number:	BC024211
Gene ID (NCBI):	23397
Full name:	Non-SMC condensin I complex, subunit H

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

HeLa cells were subjected to SDS PAGE followed by western blot with 11515-1-AP(NCAPH antibody) at dilution of 1:500