

hCAP-H rabbit pAb

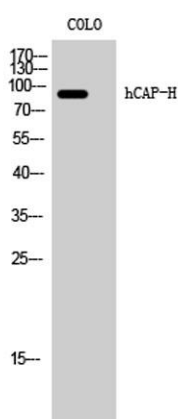
Cat#: orb768214 (Manual)

For research use only. Not intended for diagnostic use.

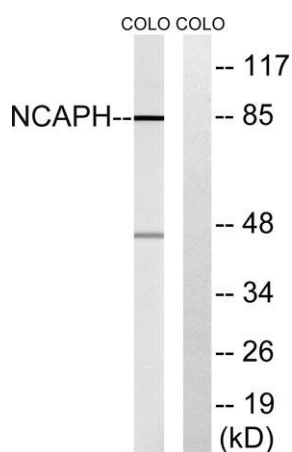
Product Name	hCAP-H rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human NCAPH. AA range:441-490
Specificity	hCAP-H Polyclonal Antibody detects endogenous levels of hCAP-H protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Condensin complex subunit 2
Gene Name	NCAPH
Cellular localization	Nucleus . Cytoplasm . Chromosome . In interphase cells, the majority of the condensin complex is found in the cytoplasm, while a minority of the complex is associated with chromatin. A subpopulation of the complex however remains associated with chromosome foci in interphase cells. During mitosis, most of the condensin complex is associated with the chromatin. At the onset of prophase, the regulatory subunits of the complex are phosphorylated by CDK1, leading to condensin's association with chromosome arms and to chromosome condensation. Dissociation from chromosomes is observed in late telophase.

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	83kD
Human Gene ID	23397
Human Swiss-Prot Number	Q15003
Alternative Names	NCAPH; BRRN; BRRN1; CAPH; KIAA0074; Condensin complex subunit 2; Barren homolog protein 1; Chromosome-associated protein H; hCAP-H; Non-SMC condensin I complex subunit H; XCAP-H homolog

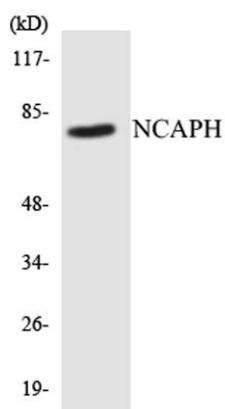
Background This gene encodes a member of the barr gene family and a regulatory subunit of the condensin complex. This complex is required for the conversion of interphase chromatin into condensed chromosomes. The protein encoded by this gene is associated with mitotic chromosomes, except during the early phase of chromosome condensation. During interphase, the protein has a distinct punctate nucleolar localization. Alternatively spliced transcript variants encoding different proteins have been described. [provided by RefSeq, Jul 2013],



Western Blot analysis of COLO cells using hCAP-H Polyclonal Antibody



Western blot analysis of lysates from COLO cells, using NCAPH Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using NCAPH antibody.