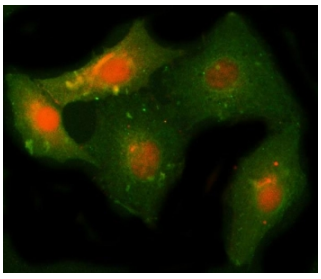
NCAPH Antibody / Condensin complex subunit 2 (RQ8201)

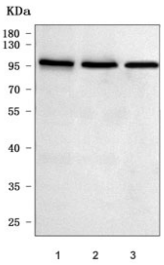
Catalog No.	Formulation	Size
RQ8201	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

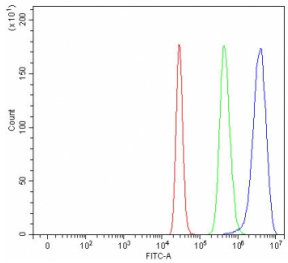
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q15003
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This NCAPH antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with NCAPH antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) 293T and 3) K562 cell lysate with NCAPH antibody. Predicted molecular weight: ~83 kDa, routinely observed at 90-97 kDa.



Flow cytometry testing of fixed and permeabilized human 293T cells with NCAPH antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NCAPH antibody.

Description

Condensin complex subunit 2 also known as chromosome-associated protein H (CAP-H) or non-SMC condensin I complex subunit H (NCAPH) is a protein that in humans is encoded by the NCAPH gene. 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.

Application Notes

Optimal dilution of the NCAPH antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R91-K721) was used as the immunogen for the NCAPH antibody.

Storage

After reconstitution, the NCAPH antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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