

Product datasheet for **AP11816PU-N**

NCAPH2 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA 1:1,000. Western blot 1:100 - 1:500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human NCAPH2.
Specificity:	This antibody detects NCAPH2 at N-term.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	non-SMC condensin II complex subunit H2
Database Link:	Entrez Gene 29781 Human Q6IBW4



[View online »](#)

Background:

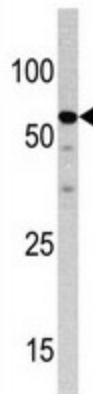
Structural maintenance of chromosomes (SMC) and non-SMC condensin proteins associate into complexes that have been implicated in the process of chromosome condensation. A crucial prerequisite for accurate segregation of replicated sister chromatids is the condensation of the chromosomes into a manageable form prior to metaphase. The condensin I complex consists of two SMC subunits, SMC2 and SMC4, and three non-SMC subunits, CAP-H, CAP-G, and CAP-D2. An alternative complex, the condensin II complex, contains alternate non-SMC subunits, CAP-G2, CAP-H2, and CAP-D3. CAP-H2 is also known as Non-SMC condensin II complex, subunit H2 (NCAPH2) or kleisin beta isoform 2. The three non-SMC subunits in the condensing complexes form a regulatory subcomplex that is required to activate the SMC ATPases and to promote mitosis-specific chromatin binding of the holocomplex. The precise individual functions of each non-SMC protein in activation remain to be determined.

Synonyms:

CAPH2

Note:

Molecular weight: 62463 Da

Product images:

Western blot analysis of anti-NCAPH2 Pab (1:60 dilution).