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NCAPG2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17069C

Product Information

Application	WB, E
Primary Accession	Q86XI2
Other Accession	NP_060230.5
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36932
Calculated MW	130960
Antigen Region	729-757

Additional Information

Gene ID	54892
Other Names	Condensin-2 complex subunit G2, Chromosome-associated protein G2, CAP-G2, hCAP-G2, Leucine zipper protein 5, Non-SMC condensin II complex subunit G2, NCAPG2, LUZP5
Target/Specificity	This NCAPG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 729-757 amino acids from the Central region of human NCAPG2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NCAPG2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NCAPG2
Synonyms	LUZP5

Function	Regulatory subunit of the condensin-2 complex, a complex which establishes mitotic chromosome architecture and is involved in physical rigidity of the chromatid axis.
Cellular Location	Nucleus.

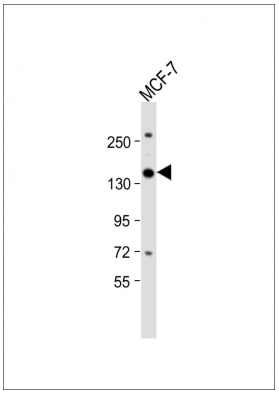
Background

Condensin complexes I and II play essential roles in mitotic chromosome assembly and segregation. Both condensins contain 2 invariant structural maintenance of chromosome (SMC) subunits, SMC2 (MIM 605576) and SMC4 (MIM 605575), but they contain different sets of non-SMC subunits. NCAPG2 is 1 of 3 non-SMC subunits that define condensin II (Ono et al., 2003 [PubMed 14532007]).

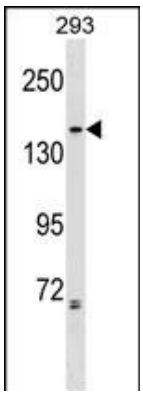
References

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Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
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Ono, T., et al. Cell 115(1):109-121(2003)

Images



Anti-NCAPG2 Antibody (Center) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 132 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



NCAPG2 Antibody (Center) (Cat. #AP17069c) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the NCAPG2 antibody detected the NCAPG2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.