

NCAPG2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17069C**Specification**

NCAPG2 Antibody (Center) - Product Information

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

NCAPG2 Antibody (Center) - 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.

NCAPG2 Antibody (Center) - 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.

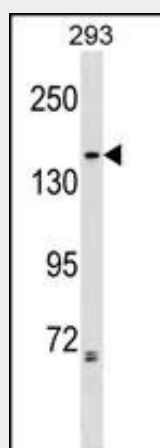
Cellular Location

Nucleus.

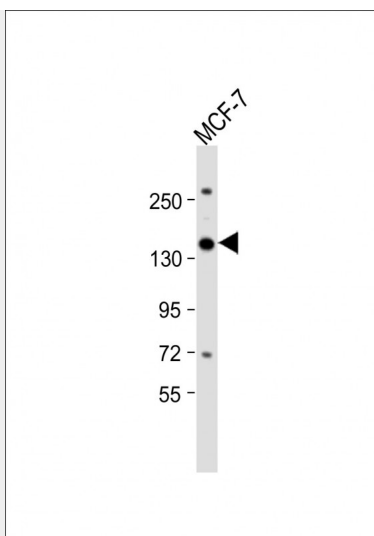
NCAPG2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NCAPG2 Antibody (Center) - Images

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).



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) - 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]).

NCAPG2 Antibody (Center) - References

Wood, J.L., et al. J. Biol. Chem. 283(43):29586-29592(2008)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
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Smith, E.D., et al. Mol. Cell. Biol. 24(3):1168-1173(2004)
Ono, T., et al. Cell 115(1):109-121(2003)