

NCAPG2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17069c**Specification**

NCAPG2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q86XI2](#)**NCAPG2 Antibody (Center) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NCAPG2 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NCAPG2 Antibody (Center) Blocking Peptide - Images

NCAPG2 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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) Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006) Smith, E.D., et al. Mol. Cell. Biol. 24(3):1168-1173(2004) Ono, T., et al. Cell 115(1):109-121(2003)