

Product Name: NCAPH2 Rabbit Monoclonal Antibody
Catalog #: AMRe02306



Summary

Production Name	NCAPH2 Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,IP
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purification

Immunogen

Gene Name	NCAPH2
Alternative Names	CAPH2
Gene ID	29781
SwissProt ID	Q6IBW4.

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:20
Molecular Weight	Calculated MW: 68 kDa; Observed MW: 68 kDa

Background

Regulatory subunit of the condensin-2 complex, a complex that seems to provide chromosomes with an additional level of

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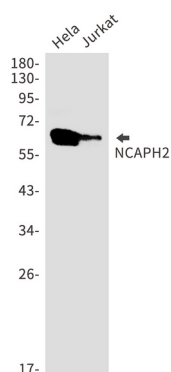


organization and rigidity and in establishing mitotic chromosome architecture (PubMed:14532007). May promote the resolution of double-strand DNA catenanes (intertwines) between sister chromatids. Condensin-mediated compaction likely increases tension in catenated sister chromatids, providing directionality for type II topoisomerase-mediated strand exchanges toward chromatid decatenation. Required for decatenation of chromatin bridges at anaphase. Early in neurogenesis, may play an essential role to ensure accurate mitotic chromosome condensation in neuron stem cells, ultimately affecting neuron pool and cortex size . Seems to have lineage-specific role in T-cell development (PubMed:14532007).

Research Area

Cell Biology

Image Data



Western blot analysis of NCAPH2 in HeLa, Jurkat lysates using NCAPH2 antibody.

Note

For research use only.