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NCAPH2 Rabbit mAb

Catalog # AP75771

Product Information

Application	WB, IHC-P, IHC-F, IP, ICC
Primary Accession	Q6IBW4
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	68227

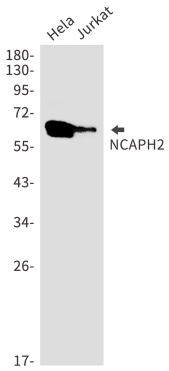
Additional Information

Gene ID	29781
Other Names	NCAPH2
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	NCAPH2
Synonyms	CAPH2
Function	Regulatory subunit of the condensin-2 complex, a complex that seems to provide chromosomes with an additional level of 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 (By similarity). Seems to have lineage-specific role in T-cell development (PubMed:14532007).
Cellular Location	Nucleus. Chromosome. Note=Distributed along the arms of chromosomes assembled in vivo and in vitro

Images



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