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NCAPD2 Rabbit pAb

货号: **AYP21626**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IF/ICC
推荐浓度	WB: 1:500 - 1:2000 IF/ICC: 1:50 - 1:200
理论分子量	157kDa
实测分子量	175kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Raji,K-562,HeLa,Mouse liver,Rat liver
细胞定位	condensed nuclear chromosome,cytoplasm,cytosol,nucleoplasm,nucleus
纯化	Affinity purification

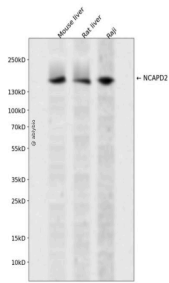
抗原信息

抗原信息	A synthetic peptide corresponding to a sequence within amino acids 1250-1350 of human NCAPD2 (NP_055680.3).
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靶点信息

研究背景	Regulatory subunit of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases. May target the condensin complex to DNA via its C-terminal domain. 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 non-centromeric ultrafine DNA bridges during 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.
基因ID	9918
基因名	NCAPD2
Swiss	Q15021 (https://www.uniprot.org/uniprotkb/Q15021/entry)
别名	CAP-D2,CNAP1,hCAP-D2,NCAPD2,NCAPD2 Rabbit pAb,Chromosome condensation-related SMC-associated protein 1,Chromosome-associated protein D2,Non-SMC condensin I complex subunit D2,XCAP-D2 homolog,CAPD2,KIAA0159

产品验证



Western blot analysis of NCAPD2 expressed in Mouse liver,Rat liver,Raji using NCAPD2 Rabbit pAb at 1:10 00. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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