

Anti-NCAPD2 Polyclonal Antibody

Cat: K110401P

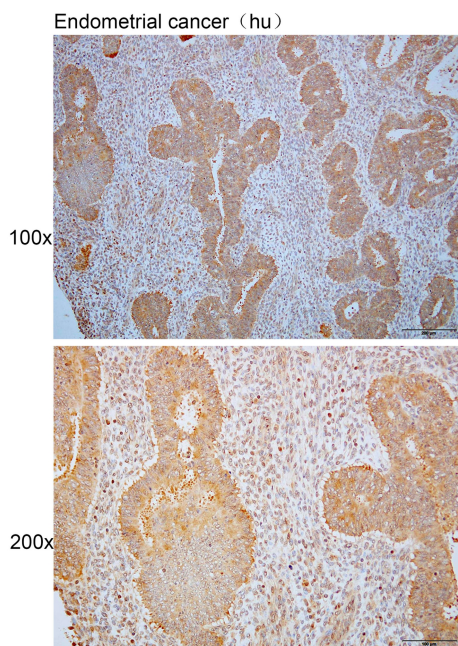
Summary:

【Product name】: Anti-NCAPD2 antibody	【Source】: Rabbit
【Isotype】: IgG	【Species reactivity】: Human Mouse Rat
【Swiss Prot】: Q15021	【Gene ID】: 9918
【Calculated】: MW:157kDa	
【Purification】: Affinity purification	
【Tested applications】: IHC	
【Recommended dilution】: IHC 1:50-200.	
【IHC Positive sample】: Human endometrial cancer	
【Subcellular location】: Cytoplasm Nucleus	
【Immunogen】: Recombinant protein of human NCAPD2	
【Storage】: Shipped at 4°C. Upon delivery aliquot and store at -20°C	

Background:

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.

Verified picture



Immunohistochemistry of paraffin-embedded
Human endometrial cancer using NCAPD2
antibody diluted at 1:100