



Datasheet for ABIN7268948  
**anti-NCAPD2 antibody**



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2 Images

Overview

Quantity:	100 µL
Target:	NCAPD2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This NCAPD2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	CNAP1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human CNAP1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	NCAPD2
Alternative Name:	CNAP1 ( <a href="#">NCAPD2 Products</a> )
Background:	Regulatory subunit of the condensin complex, a complex required for conversion of interphase

## Target Details

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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.,NCAPD2, CAP-D2, CNAP1, hCAP-D2, condensin complex subunit 1,Epigenetics & Nuclear Signaling,Cell Biology & Developmental Biology,Cell Cycle,CNAP1

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Molecular Weight: 150kDa

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Gene ID: 9918

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UniProt: [Q15021](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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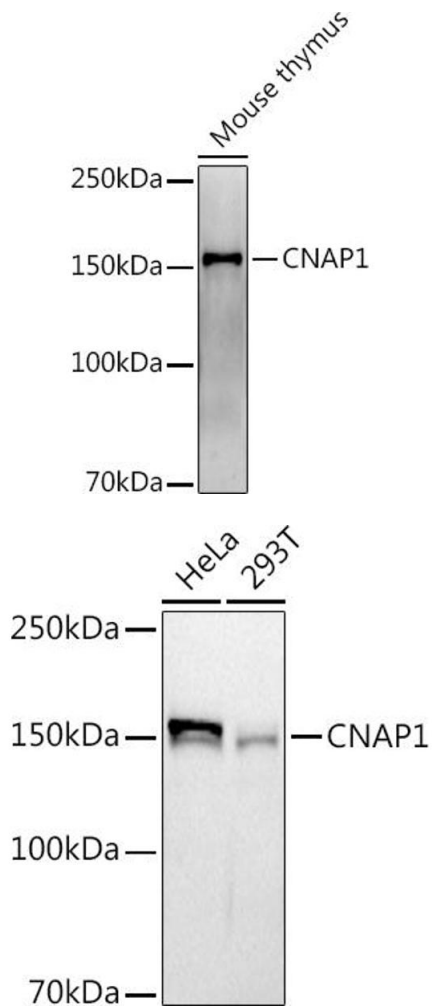
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of Mouse thymus, using (ABIN7268948) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using (ABIN7268948) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.