



# Human NCAPD2 peptide (DAG-P0360)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	CNAP1/hCAP-D2 is a regulatory subunit of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condensed 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. It may target the condensin complex to DNA via its C-terminal domain (referenced from Swissprot).
<b>Conjugate</b>	Unconjugated
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">NCAPD2 non-SMC condensin I complex, subunit D2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	NCAPD2
<b>Synonyms</b>	NCAPD2; non-SMC condensin I complex, subunit D2; CNAP1; CAP-D2; hCAP-D2; condensin complex subunit 1; XCAP-D2 homolog; chromosome-associated protein D2; chromosome condensation related SMC associated protein 1; chromosome condensation-related SMC-associated protein 1;
<b>Entrez Gene ID</b>	<a href="#">9918</a>
<b>mRNA Refseq</b>	<a href="#">NM_014865.3</a>

<b>Protein Refseq</b>	<a href="#">NP_055680.3</a>
<b>UniProt ID</b>	B3KMS0
<b>Chromosome Location</b>	12p13.3
<b>Pathway</b>	Aurora B signaling, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Condensation of Prometaphase Chromosomes, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem;
<b>Function</b>	histone binding; histone binding; protein binding;