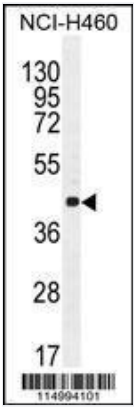
CCNC Antibody – Rabbit Polyclonal

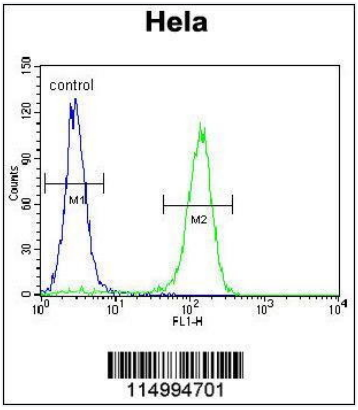
PRODUCT OVERVIEW

Product Name	CCNC, Polyclonal Antibody
Full Product Name	CCNC, NT (CCNC, Cyclin-C, SRB11 homolog) (AP)
Product Gene Name	anti-CCNC antibody
Product Synonym Names	CCNC; Cyclin-C; SRB11 homolog
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase.
Purity/Purification	Purified by saturated ammonium sulfate precipitation followed by dialysis against PBS.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	~55 kDa
Chromosome Location	Chromosome: 6; NC_000006.11 (99990263..100016849, complement). Location: 6q21
OMIM	123838
3D Structure	ModBase 3D Structure for P24863
Immunogen	CCNC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CCNC.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-CCNC antibody	Antibodies; Cyclin
Applications Tested/Suitable for anti-CCNC antibody	Flow Cytometry (FC/FACS), ELISA (EIA), Western Blot (WB)
Application Notes for anti-CCNC antibody	FC/FACS: 1:10-50 ELISA: 1:1,000 WB: 1:50-100 Applications are based on unconjugated antibody.
Related Product Information for anti-CCNC antibody	The protein encoded by this gene is a member of the cyclin family of proteins. The encoded protein interacts with cyclin-dependent kinase 8 and induces the phophorylation of the carboxy-terminal domain of the large subunit of RNA polymerase II. The level of mRNAs for this gene peaks in the G1 phase of the cell cycle. Two transcript variants encoding different isoforms have been found for this gene.
Product References and Citations for anti-CCNC antibody	Miyata, Y., et al. Stem Cells 28(2):308-317(2010). Makkonen, K.M., et al. J. Mol. Biol. 393(2):261-271(2009). Matsuoka, S., et al. Science 316(5828):1160-1166(2007). Katona, R.L., et al. Acta. Biol. Hung. 58(1):133-137(2007). Lamesch, P., et al. Genomics 89(3):307-315(2007).

Other Notes	Small volumes of anti-CCNC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CCNC purchase	MBS6282311 is an antibody targeting CCNC. Also known as CCNC, NT (CCNC, Cyclin-C, SRB11 homolog) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CCNC antibody
CCNC Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the CCNC antibody detected the CCNC protein (arrow).



Flow Cytometry (FC/FACS) of anti-CCNC antibody
CCNC Antibody (N-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCNC. It may not necessarily be applicable to this product.

NCBI GI #	61676090
NCBI GeneID	892
NCBI Accession #	NP_005181.2
UniProt Primary Accession #	P24863
UniProt Secondary Accession #	Q9H543; B4DPZ1
UniProt Related Accession #	P24863
GenBank Nucleotide #	NM_005190
NCBI Official Full Name	Homo sapiens cyclin C (CCNC), transcript variant 1, mRNA
NCBI Official Synonym Full Names	cyclin C
NCBI Official Symbol	CCNC
NCBI Official Synonym Symbols	CycC
UniProt Protein Name	Cyclin-C
UniProt Synonym Protein Names	SRB11 homolog
UniProt Gene Name	CCNC
UniProt Synonym Gene Names	hSRB11
UniProt Entry Name	CCNC_HUMAN
NCBI Protein Information	cyclin-C; hSRB11; SRB11 homolog

UniProt Comments for CCNC	CCNC: Component of the Mediator complex, a coactivator involved in regulated gene transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Binds to and activates cyclin-dependent kinase CDK8 that phosphorylates the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAp II), which may inhibit the formation of a transcription initiation complex. Belongs to the cyclin family. Cyclin C subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 6q21 Cellular Component: nucleoplasm; Srb-mediator complex; DNA-directed RNA polymerase II, holoenzyme Molecular Function: protein binding; protein kinase binding Biological Process: transcription initiation from RNA polymerase II promoter; Notch signaling pathway; transcription, DNA-dependent; transforming growth factor beta receptor signaling pathway; gene expression; positive regulation of transcription from RNA polymerase II promoter; regulation of cyclin-dependent protein kinase activity
Research Articles on CCNC	**1.** analysis of the structure-kinetic relationship of the cyclin-dependent kinase 8 (CDK8)/cyclin C (CycC) complex
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