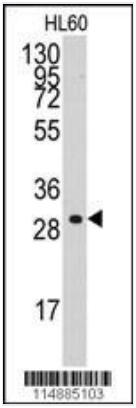
Cyclin C (CCNC) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Cyclin C (CCNC), Polyclonal Antibody
Full Product Name	Cyclin C, CT (Cyclin-C, hSRB11, CCNC, SRB11 Homolog) (MaxLight 490)
Product Gene Name	anti-CCNC antibody
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 MaxLight490.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human CCNC.
Preparation and Storage	Store product at 4 degree C in the dark. 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. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	33.243
OMIM	123838
3D Structure	ModBase 3D Structure for P24863
Immunogen	Synthetic peptide selected from the C-terminal region of human CCNC (KLH).
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-CCNC antibody	Antibodies; Cyclin
Applications Tested/Suitable for anti-CCNC antibody	Western Blot (WB), FLISA
Application Notes for anti-CCNC antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CCNC antibody	MBS6471191 is an antibody targeting CCNC. Also known as Cyclin C, CT (Cyclin-C, hSRB11, CCNC, SRB11 Homolog) (MaxLight 490). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CCNC antibody	1. Katona, R.L., Acta. Biol. Hung. 58(1), 133-137 (2007). 2. Ohata, N., Int. J. Mol. Med. 18(6), 1153-1158 (2006). 3. Sinkkonen, L., Nucleic Acids Res. 33(8), 2440-2451 (2005).
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.



Western Blot (WB) of anti-CCNC antibody
Western blot analysis of anti-CCNC Antibody (C-term) in HL60 cell line lysates (35ug/lane).
CCNC(arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

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

NCBI GI #	61676091
NCBI GeneID	892
NCBI Accession #	NP_005181
UniProt Primary Accession #	P24863
UniProt Related Accession #	P24863
GenBank Nucleotide #	NP_005181.2
NCBI Official Full Name	cyclin-C isoform a
NCBI Official Synonym Full Names	cyclin C
NCBI Official Symbol	CCNC
NCBI Official Synonym Symbols	CycC; SRB11; hSRB11
UniProt Protein Name	Cyclin-C
UniProt Synonym Protein Names	SRB11 homolog
Protein Family	Cyclin
UniProt Gene Name	CCNC
UniProt Synonym Gene Names	hSRB11
UniProt Entry Name	CCNC_HUMAN
NCBI Protein Information	cyclin-C
NCBI Summary for CCNC	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. [provided by RefSeq, Jul 2008]

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.** cyclin C binding stimulates the reduction of low-GTPase activity Drp1 oligomers into dimers capable of producing high-GTPase activity filaments.
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