

# Cyclin C (CCNC) Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7835b

#### Specification

# Cyclin C (CCNC) Antibody (C-term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region WB,E <u>P24863</u> <u>O4KLA0, P39947, O62447, P55168, O3ZCK5</u> Human Bovine, Chicken, Mouse, Rat, Xenopus Rabbit Polyclonal Rabbit IgG 33243 221-249

### Cyclin C (CCNC) Antibody (C-term) - Additional Information

Gene ID 892

Other Names Cyclin-C, SRB11 homolog, hSRB11, CCNC

**Target/Specificity** This Cyclin C (CCNC) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 221-249 amino acids from the C-terminal region of human Cyclin C (CCNC).

Dilution WB~~1:1000

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** Cyclin C (CCNC) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### Cyclin C (CCNC) Antibody (C-term) - Protein Information

Name CCNC



**Function** 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.

**Cellular Location** Nucleus.

**Tissue Location** Highest levels in pancreas. High levels in heart, liver, skeletal muscle and kidney. Low levels in brain

### Cyclin C (CCNC) Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Cyclin C (CCNC) Antibody (C-term) - Images



Western blot analysis of anti-CCNC Antibody (C-term) (Cat.#AP7835b) in HL60 cell line lysates (35ug/lane). CCNC(arrow) was detected using the purified Pab.

#### Cyclin C (CCNC) Antibody (C-term) - Background

CCNC is a member of the cyclin family of proteins. This protein interacts with cyclin-dependent kinase 8 and induces the phophorylation of the carboxy-terminal domain of the large subunit of RNA polymerase II.

# Cyclin C (CCNC) Antibody (C-term) - References

Katona,R.L., Acta. Biol. Hung. 58 (1), 133-137 (2007) Ohata,N., Int. J. Mol. Med. 18 (6), 1153-1158 (2006) Sinkkonen,L., Nucleic Acids Res. 33 (8), 2440-2451 (2005)