

Rabbit Cyclin C Polyclonal Antibody | anti-CCNC antibody

Cyclin C (Phospho-Ser275) Antibody

CATALOG # AAA322072	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

Cyclin C; Polyclonal Antibody; Cyclin C (Phospho-Ser275) Antibody; ccnc; CCNC_HUMAN; CycC; Cyclin-C; hSRB11; OTTHUMP00000016897; SRB11 homolog; anti-CCNC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cyclin C (Phospho-Ser275) antibody detects endogenous levels of total Cyclin C (Phospho-Ser275)
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	198
Applicable Applications for anti-CCNC antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cyclin C (Phospho-Ser275)
Subcellular Location	Nucleus.
Tissue Specificity	Highest levels in pancreas. High levels in heart, liver, skeletal muscle and kidney. Low levels in brain.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (80%)
Conjugation	Unconjugated
Epitope	Phospho Ser275
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322072 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of Cyclin C (Phospho-Ser275) expression in LOVO cells. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNC antibody

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.

Subunit Structure: Component of the Mediator complex, which is composed of MED1, MED4, MED6, MED7, MED8, MED9, MED10, MED11, MED12, MED13, MED13L, MED14, MED15, MED16, MED17, MED18, MED19, MED20, MED21, MED22, MED23, MED24, MED25, MED26, MED27, MED29, MED30, MED31, CCNC, CDK8 and CDC2L6/CDK11. The MED12, MED13, CCNC and CDK8 subunits form a distinct module termed the CDK8 module. Mediator containing the CDK8 module is less active than Mediator lacking this module in supporting transcriptional activation. Individual preparations of the Mediator complex lacking one or more distinct subunits have been variously termed ARC, CRSP, DRIP, PC2, SMCC and TRAP. The cyclin/CDK pair formed by CCNC/CDK8 also associates with the large subunit of RNA polymerase II.

Similarity: Belongs to the cyclin family. Cyclin C subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61676093
NCBI GeneID	892
NCBI Accession #	NP_001013417.1
NCBI GenBank Nucleotide #	NM_001013399.1
UniProt Accession #	P24863; Q9H543; B4DPZ1
Molecular Weight	Observed: 33 kDa Predicted: 34 kDa
NCBI Official Full Name	cyclin-C isoform b
NCBI Official Synonym Full Names	cyclin C
NCBI Official Symbol	CCNC
NCBI Official Synonym Symbols	CycC; SRB11; hSRB11
NCBI Protein Information	cyclin-C
UniProt Protein Name	Cyclin-C
UniProt Gene Name	CCNC
UniProt Synonym Gene Names	hSRB11

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

