



Cyclin C Polyclonal Antibody

Catalog No	YP-Ab-16724
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	CCNC
Immunogen	The antiserum was produced against synthesized peptide derived from human Cyclin C. AA range:234-283
Specificity	Cyclin C Polyclonal Antibody detects endogenous levels of Cyclin C protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CCNC;CycC;cyclin C;hSRB11;SRB11 homolog;Cyclin-C
Observed Band	33-37kD
Calculated Molecular Weight	33-37kD
Cell Pathway	Nucleus .
Tissue Specificity	Highest levels in pancreas. High levels in heart, liver, skeletal muscle and kidney. Low levels in brain.
Function	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.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the cyclin family.,



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Background

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 phosphorylation 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],

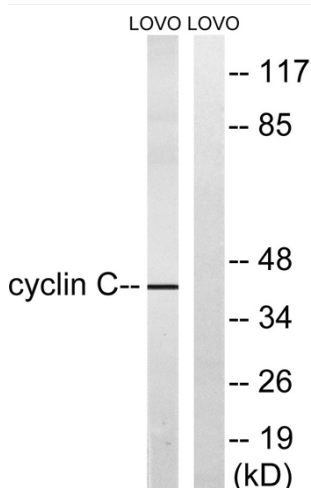
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from LOVO cells, using Cyclin C Antibody. The lane on the right is blocked with the synthesized peptide.