

Cyclin C (phospho Ser275) Polyclonal Antibody

Catalog No :	YP0816
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Cyclin C
Gene Name :	CCNC
Protein Name :	Cyclin-C
Human Gene Id :	892
Human Swiss Prot No :	P24863
Mouse Gene Id :	51813
Mouse Swiss Prot No :	Q62447
Rat Swiss Prot No :	P39947
Immunogen :	The antiserum was produced against synthesized peptide derived from human Cyclin C around the phosphorylation site of Ser275. AA range:234-283
Specificity :	Phospho-Cyclin C (S275) Polyclonal Antibody detects endogenous levels of Cyclin C protein only when phosphorylated at S275.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 33-37kD

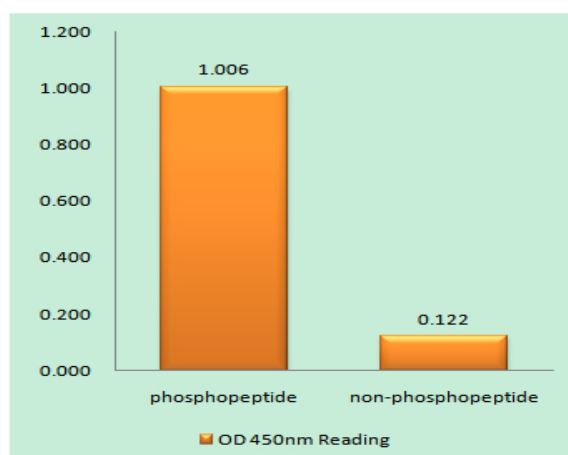
Background : The protein encoded by this gene is a member of the cyclin family of proteins. The encoded protein interacts with cyclin-dependent kinase 8 and induces the phosphorylation of the carboxy-terminal domain of the large subunit of RNA polymerase II. The level of mRNAs for this gene peaks in the G1 phase of the cell cycle. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

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.,similarity:Belongs to the cyclin family. Cyclin C subf

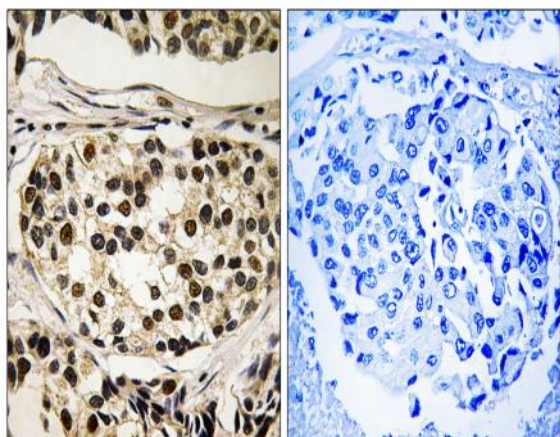
Subcellular Location : Nucleus .

Expression : Highest levels in pancreas. High levels in heart, liver, skeletal muscle and kidney. Low levels in brain.

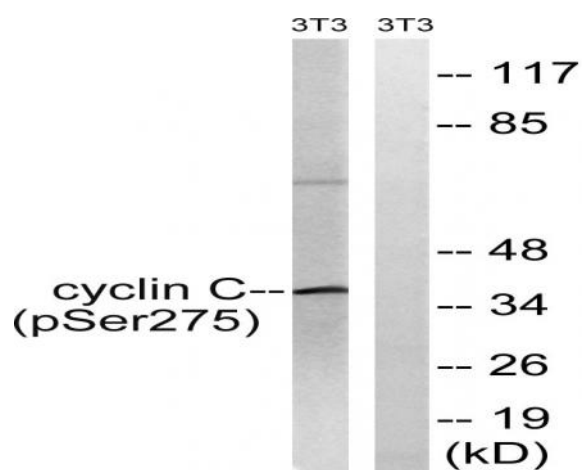
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Cyclin C (Phospho-Ser275) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Cyclin C (Phospho-Ser275) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells treated with UV 15', using Cyclin C (Phospho-Ser275) Antibody. The lane on the right is blocked with the phospho peptide.