Cyclin C (phospho Ser275) Monoclonal Antibody

Catalog No	BYmab-16625
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CCNC
Protein Name	Cyclin-C
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) Monoclonal 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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CCNC; Cyclin-C; SRB11 homolog; hSRB11
Observed Band	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.,similarity:Belongs to the cyclin family.

	Cyclin C subf
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 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],
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