

Product Name: CCND3 Mouse Monoclonal Antibody
Catalog #: AMM80966



Summary

Production Name	CCND3 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	CCND3
Alternative Names	CCND3
Gene ID	896.0
SwissProt ID	P30281.Purified recombinant fragment of human CCND3 expressed in E. Coli.

Application

Dilution Ratio	ELISA:1:10000
Molecular Weight	32kDa

Background

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a

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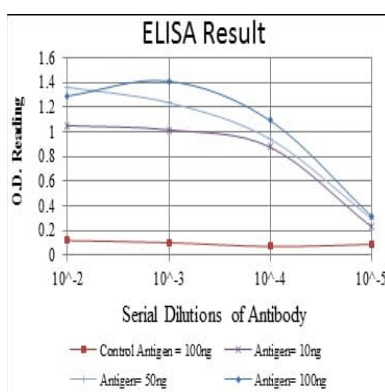


dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation. Several transcript variants encoding different isoforms have been found for this gene.

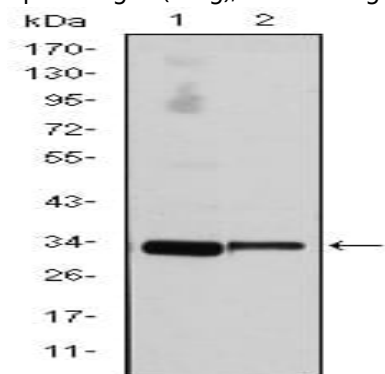
Research Area

PI3K-Akt signaling pathway

Image Data



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Western blot analysis using CCND3 mouse mAb against NIH/3T3 (1) and Jurkat (2) cell lysate.

Note

For research use only.