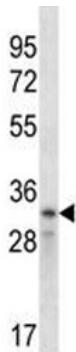


## Cyclin D2 Antibody (CCND2) (F43829)

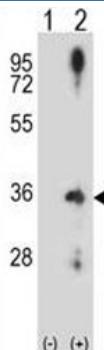
Catalog No.	Formulation	Size
F43829-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43829-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P30279
Applications	Western blot : 1:1000
Limitations	This Cyclin D2 antibody is available for research use only.



Cyclin D2 antibody western blot analysis in CEM lysate. Predicted molecular weight ~33 kDa.



Western blot analysis of Cyclin D2 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (2) with the CCND2 gene. Predicted molecular weight ~33 kDa.

## Description

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a 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. Knockout studies of the homologous gene in mouse suggest the essential roles of this gene in ovarian granulosa and germ cell proliferation. High level expression of this gene was observed in ovarian and testicular tumors.

## Application Notes

Titration of the Cyclin D2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this Cyclin D2 antibody.

## Storage

Aliquot the Cyclin D2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.