

Product Name: Cyclin D2 (6E11) Mouse Monoclonal Antibody
Catalog #: AMM03446



Summary

Production Name	Cyclin D2 (6E11) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	CCND2
Alternative Names	KIAK0002.
Gene ID	894
SwissProt ID	P30279.

Application

Dilution Ratio	WB: 1:500-1:1000
Molecular Weight	Calculated MW: 33 kDa; Observed MW: 38 kDa

Background

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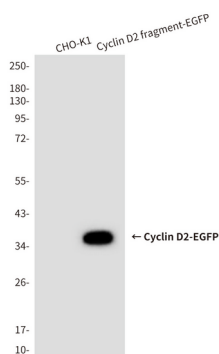


The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with CDK4 or CDK6 and functions as a regulatory subunit of the complex, 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 Ticular tumors. Mutations in this gene are associated with megalencephaly-polymicrogyria-polydactyly-hydrocephalus syndrome 3 (MPPH3).

Research Area

Cell Biology

Image Data



Western blot analysis of Cyclin D2 in CHO-K1 lysates and CHO-K1 transfected by Cyclin D2 fragment EGFP fusion protein lysates using Cyclin D2 antibody.

Note

For research use only.