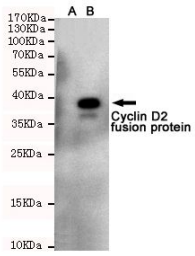
Cyclin D2

Mouse monoclonal Antibody

#53546

Catalog Number: 53546
Amount: 100μg/100μl
Swiss-Prot No. :P30279
Gene name:ccnd2
Gene id:894
Clone Number： 6E11-G6-F5
Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant human Cyclin D2 protein fragments expressed in E.coli
Purification: affinity-chromatography
Specificity/Sensitivity: This antibody detects endogenous levels of Cyclin D2 and does not corss-react with related proteins
Reactivity: Human
Applications: Predicted MW: 38kd WB: 1:1000



Western blot detection of Cyclin D2 in CHO-K1 cell lysate (A)and CHO-K1 transfected by Cyclin D2-fragment EGFP fusion protein (B) cell lysate using Cyclin D2 mouse mAb (1:1000 diluted).Predicted band size:38KDa.Observed band size:38KDa.

Background:

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.