

## Product datasheet for TA346906

### Cyclin D2 (CCND2) Mouse Monoclonal Antibody [Clone ID: 6E11-G6-F5]

#### Product data:

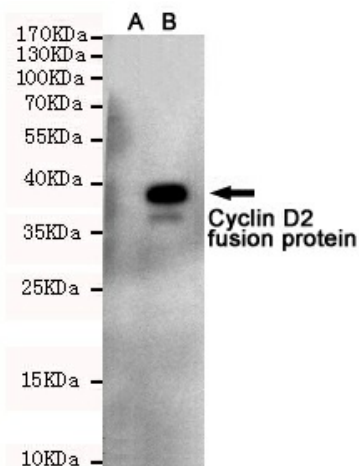
Product Type:	Primary Antibodies
Clone Name:	6E11-G6-F5
Applications:	WB
Recommend Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for CCND2 antibody: purified recombinant human Cyclin D2 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification:	Affinity purified
Predicted Protein Size:	38 kDa
Gene Name:	cyclin D2
Database Link:	<a href="#">NP_001750 Entrez Gene 894 Human</a>
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. [provided by RefSeq, Oct 2008]
Synonyms:	KIAK0002; MPPH3
Protein Families:	Druggable Genome



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**Protein Pathways:** Cell cycle, Focal adhesion, Jak-STAT signaling pathway, p53 signaling pathway, Wnt signaling pathway

**Product images:**



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: 38 kDa. Observed band size: 38 kDa.