

Datasheet for ABIN1881176

anti-Cyclin D2 antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	400 µL
Target:	Cyclin D2 (CCND2)
Binding Specificity:	AA 258-285, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin D2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Mouse CCND2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 258-285 amino acids from the C-terminal region of mouse CCND2.
Clone:	RB43028
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Cyclin D2 (CCND2)
Alternative Name:	CCND2 (CCND2 Products)

Target Details

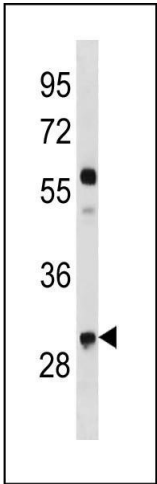
Background:	Regulatory component of the cyclin D2-CDK4 (DC) complex that phosphorylates and inhibits members of the retinoblastoma (RB) protein family including RB1 and regulates the cell-cycle during G(1)/S transition. Phosphorylation of RB1 allows dissociation of the transcription factor E2F from the RB/E2F complex and the subsequent transcription of E2F target genes which are responsible for the progression through the G(1) phase. Hypophosphorylates RB1 in early G(1) phase. Cyclin D-CDK4 complexes are major integrators of various mitogenic and antimitogenic signals. Also substrate for SMAD3, phosphorylating SMAD3 in a cell-cycle-dependent manner and repressing its transcriptional activity. Component of the ternary complex, cyclin D2/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex (By similarity).
Molecular Weight:	32897
NCBI Accession:	NP_033959
UniProt:	P30280
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



Western Blotting

Image 1. Mouse CCND2 Antibody (C-term /) (ABIN1881176 and ABIN2843327) western blot analysis in mouse NIH-3T3 cell line lysates (35 µg/lane). This demonstrates the Mouse CCND2 antibody detected the Mouse CCND2 protein (arrow).