antibodies

Datasheet for ABIN5542302 anti-Cyclin D1 antibody (AA 167-295)

6 Images



Overview

Quantity:	0.1 mg
Target:	Cyclin D1 (CCND1)
Binding Specificity:	AA 167-295
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cyclin D1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human CCND1 (AA 167-295) expressed in E. Coli.		
Clone:	3B6G3		
lsotype:	lgG1		

Target Details

Target:	Cyclin D1 (CCND1)
Alternative Name:	CCND1 (CCND1 Products)
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 throughout the cell
	cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct

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Target Details

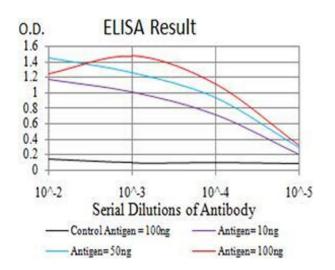
	expression and degradation patterns which contribute to the temporal coordination of each
	mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4
	or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown
	to interact with tumor suppressor protein Rb and the expression of this gene is regulated
	positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell
	cycle progression, are observed frequently in a variety of tumors and may contribute to
	tumorigenesis.,
Molecular Weight:	26kDa
HGNC:	712
Pathways:	PI3K-Akt Signaling, Cell Division Cycle, Mitotic G1-G1/S Phases, ER-Nucleus Signaling
Application Details	
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:100 - 1:500, FCM: 1:200 - 1:400
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.05 % sodium azide

Storage Comment: 4°C, -20°C for long term storage

4 °C,-20 °C

Images

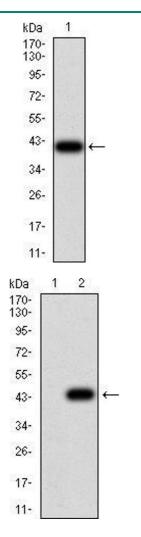
Storage:



ELISA

Image 1. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

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Western	Blotting					
Image 2. Western blot analysis using CCND1 mAb against						
human	CCND1	(AA:	167-295)	recombinant	protein.	
(Expected MW is 40.1 kDa)						

Western Blotting

Image 3. Western blot analysis using CCND1 mAb against HEK293 (1) and CCND1 (AA: 167-295)-hIgGFc transfected HEK293 (2) cell lysate.

Please check the product details page for more images. Overall 6 images are available for ABIN5542302.