

Datasheet for ABIN6138080
anti-Cyclin D1 antibody (C-Term)

6 Images

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Overview

Quantity:	100 µL
Target:	Cyclin D1 (CCND1)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin D1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 200 to the C-terminus of human Cyclin D1 (NP_444284.1).
Sequence:	PSMVAAGSVV AAVQGLNLRS PNNFLSYRL TRFLSRVIKC DPDCLRACQE QIEALLESSL RQAQQNMDPK AAEEEEEEEE EVDLACTPTD VRDVDI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Cyclin D1 (CCND1)
Alternative Name:	CCND1 (CCND1 Products)
Background:	<p>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 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.,BCL1,D11S287E,PRAD1,U21B31,CCND1,Cyclin D1,cyclin D1,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,PI3K-Akt Signaling Pathway,Cell Biology & Developmental Biology,Cell Cycle,Cyclins,G1/S Checkpoint,Hedgehog Signaling Pathway,CCND1</p>
Molecular Weight:	33 kDa
Gene ID:	595
UniProt:	P24385
Pathways:	PI3K-Akt Signaling , Cell Division Cycle , Mitotic G1-G1/S Phases , ER-Nucleus Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

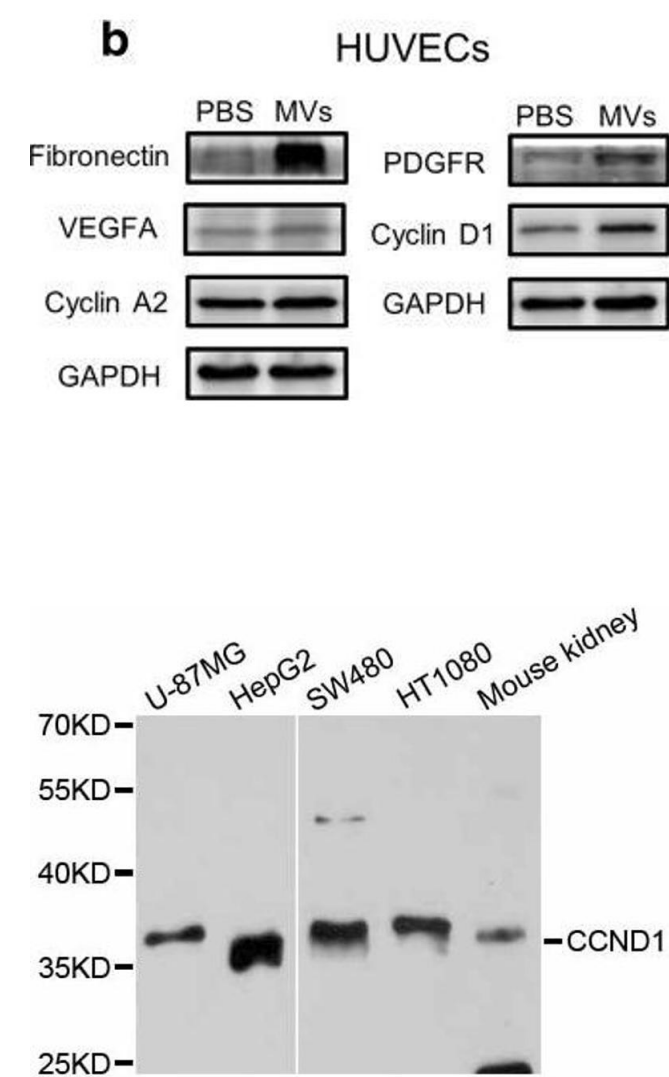
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images

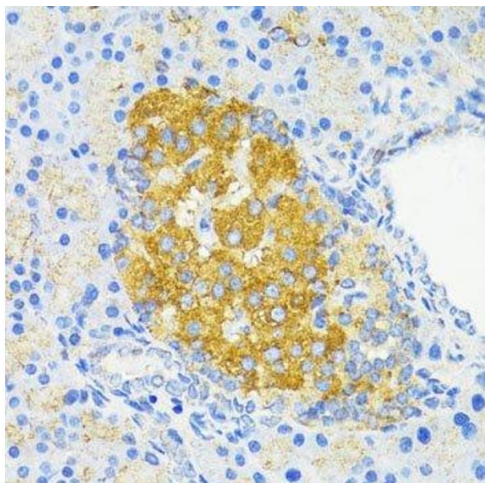


Western Blotting

Image 1. Effect of ASC-MV treatment on gene expression in all three kinds of cells. qRT-PCR analysis of a cluster of gene expression in cells treated with either PBS or 20 µg/mL ASC-MVs. a Upregulated genes in HUVECs. c Upregulated genes in HaCAT. e Upregulated genes in fibroblasts. Western blot analysis of gene expression in cells given above treatments. b Upregulated genes in HUVECs. d HaCAT. f Fibroblasts. GAPDH served as an internal control. N=3. *p<0.05, **p<0.01, ***p<0.001, ****p<0.0001 - figure provided by CiteAb. Source: PMID30704535

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using CCND1 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded rat islets of Langerhans using CCND1 antibody.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6138080.