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## anti-Cyclin D1 antibody (AA 68-97)

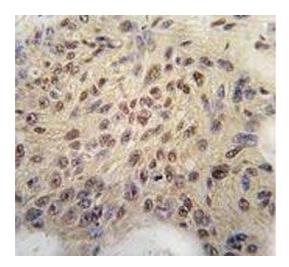


### **Images**



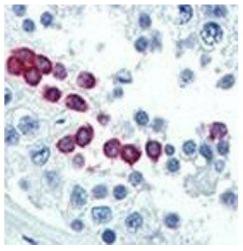
Overview	
Quantity:	0.4 mL
Target:	Cyclin D1 (CCND1)
Binding Specificity:	AA 68-97
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin D1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	A portion of amino acids 68-97 from the human protein was used as the immunogen for this
	Cyclin D1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine
Purification:	Antigen affinity purified
Target Details	
Target:	Cyclin D1 (CCND1)
Abstract:	CCND1 Products
Background:	CCND1 is the regulatory component of the Cyclin D1-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. CyclinD-CDK4 complexes are major integrators of
	various mitogenenic and antimitogenic signals. Also substrate for SMAD3, phosphorylating
	SMAD3 in a cell-cycle-dependent manner and repressing its transcriptional activity. [UniProt]
UniProt:	P24385
Pathways:	PI3K-Akt Signaling, Cell Division Cycle, Mitotic G1-G1/S Phases, ER-Nucleus Signaling
Application Details	
Application Notes:	Titration of the Cyclin D1 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-
	1:50,Immunofluorescence: 1:10-1:50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS pH 7.4 with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the Cyclin D1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw
	cycles.



#### **Immunohistochemistry**

**Image 1.** IHC analysis of FFPE human breast carcinoma tissue stained with Cyclin D1 antibody



#### **Immunohistochemistry**

**Image 2.** IHC analysis of FFPE human testis tissue stained with Cyclin D1 antibody

#### **Western Blotting**

**Image 3.** Western blot analysis of Cyclin D1 antibody and mouse lung lysate. Predicted molecular weight: 32-36 kDa.

Please check the product details page for more images. Overall 7 images are available for ABIN3030588.