antibodies - online.com







anti-Cyclin D3 antibody (AA 1-292)



Images



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Quantity:	100 μL
Target:	Cyclin D3 (CCND3)
Binding Specificity:	AA 1-292
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin D3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human G1/S-specific cyclin-D3 protein (1-292AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	Cyclin D3 (CCND3)
Alternative Name:	CCND3 (CCND3 Products)
Background:	Background: Regulatory component of the cyclin D3-CDK4 (DC) complex that phosphorylates

and inhibits members of the retinoblastoma (RB) protein family including RB1 and regulates the cell-cycle during G1/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 G1 phase. Hypophosphorylates RB1 in early G1 phase. Cyclin D-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. Component of the ternary complex, cyclin D3/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex.

Aliases: CCND 3 antibody, Ccnd3 antibody, CCND3_HUMAN antibody, CyclinD3 antibody, D3 type cyclin antibody, G1 S specific cyclin D3 antibody, G1/S specific cyclin D3 antibody, G1/S-specific cyclin-D3 antibody

UniProt:	P30281
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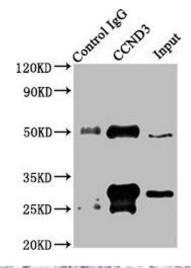
Pathways: Cell Division Cycle, Mitotic G1-G1/S Phases, Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200, IP:1:200-1:2000,
Restrictions:	For Research Use only

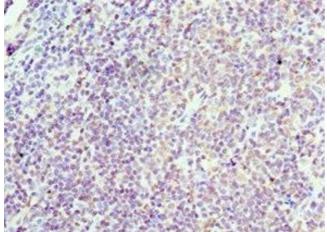
Handling

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.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



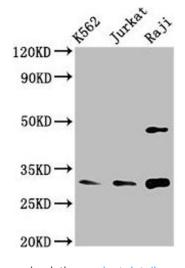
Western Blotting

Image 1. Immunoprecipitating CCND3 in Jurkat whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7153394 in Jurkat whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7153394 (5 μ g) + Jurkat whole cell lysate (500 μ g) Lane 3: Jurkat whole cell lysate (20 μ g)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7153394 at dilution of 1:100



Western Blotting

Image 3. Western Blot Positive WB detected in: K562 whole cell lysate, Jurkat whole cell lysate, Raji whole cell lysate All lanes: CCND3 antibody at $3.4\,\mu\text{g/mL}$ Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 33 kDa Observed band size: 33 kDa

Please check the product details page for more images. Overall 5 images are available for ABIN7153394.