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Datasheet for ABIN2792167

anti-Cyclin D3 antibody (C-Term)

4 Images

Overview

Quantity:	100 µL
Target:	Cyclin D3 (CCND3)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Sheep, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin D3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CCND3
Sequence:	CQEQIEAALR ESLREASQTS SSPAPKAPRG SSSQGPSQTS TPTDVTAIHL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 92%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against CCND3. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	Cyclin D3 (CCND3)
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Target Details

Alternative Name: [CCND3 \(CCND3 Products\)](#)

Background: CCND3 encodes a protein that belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through 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 and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation.

Protein Interaction Partner: POLR3GL, TFIP11, CDKN1A, CDK6, CDK4, CDK5, MCM10, CDKN1B, CDK2, CDK11B, FAS, SIL1, EIF3K, ATF5, VDR, MAPK6, NME1, MYB, GC, ETV1, RBL2, POLD1, CDK14, APP, RB1, UBC, PPP1CC, PPP1CB, PPP1CA, NCOA2, MAF1, NPDC1, DMTF1, CRABP2, RARA, DTNBP1, AKAP8, EFEMP2, CAS

Protein Size: 292

Molecular Weight: 33 kDa

Gene ID: 896

NCBI Accession: [NM_001760](#), [NP_001751](#)

UniProt: [P30281](#)

Pathways: [Cell Division Cycle](#), [Mitotic G1-G1/S Phases](#), [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 292 AA

Restrictions: For Research Use only

Handling

Format: Liquid

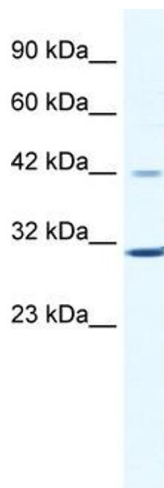
Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

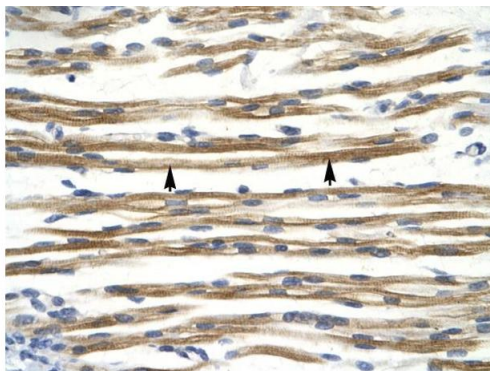
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

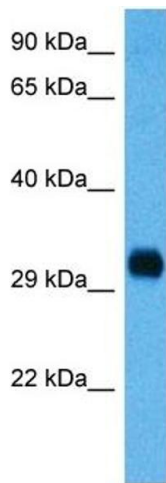
Image 1. WB Suggested Anti-CCND3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate CCND3 is supported by BioGPS gene expression data to be expressed in Jurkat



Rabbit Anti-CCND3 Antibody
Catalog Number: AVARP03038
Lot Number: QC3686
Paraffin Embedded Tissue: Human Muscle
Cells with Positive label: Skeletal muscle cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Muscle



Western Blotting

Image 3. Host: Mouse Target Name: CCND3 Sample Tissue: Mouse Spleen Antibody Dilution: 1ug/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2792167.