

Product Datasheet

Cyclin D1 Antibody (PD01-64) NBP3-32236

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-32236

Cyclin D1 Antibody (PD01-64)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PD01-64
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	34 kDa

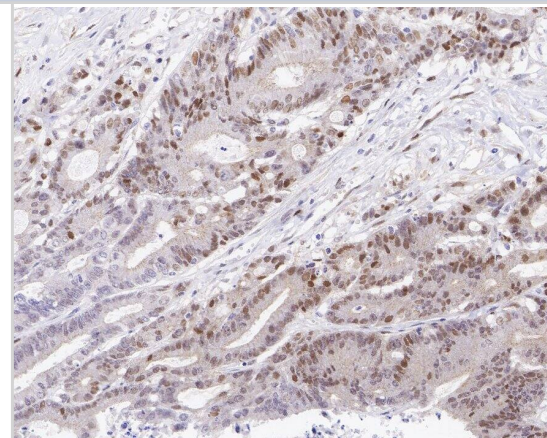
Product Description	
Description	Novus Biologicals Rabbit Cyclin D1 Antibody (PD01-64) (NBP3-32236) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	595
Gene Symbol	CCND1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human Cyclin D1 aa 200-295 (C terminal). (Uniprot: P24385)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:5000, Flow Cytometry 1:5000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:2000, Immunohistochemistry-Paraffin 1:200

Images

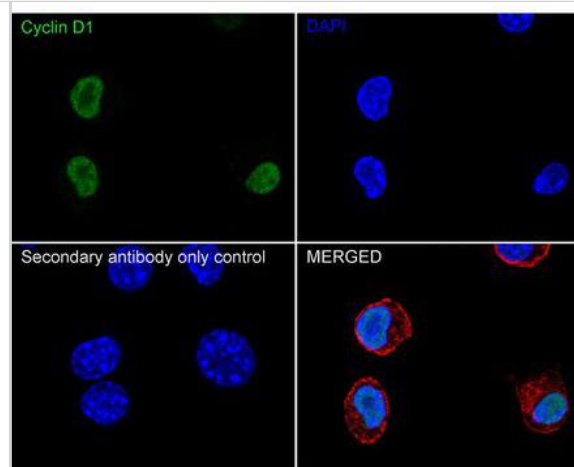
Immunohistochemistry: Cyclin D1 Antibody (PD01-64) [NBP3-32236] - Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue with Rabbit anti-Cyclin D1 antibody (NBP3-32236) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32236) at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry/ Immunofluorescence: Cyclin D1 Antibody (PD01-64) [NBP3-32236] - Immunocytochemistry analysis of Neuro-2a cells labeling Cyclin D1 with Rabbit anti-Cyclin D1 antibody (NBP3-32236) at 1/2,000 dilution.

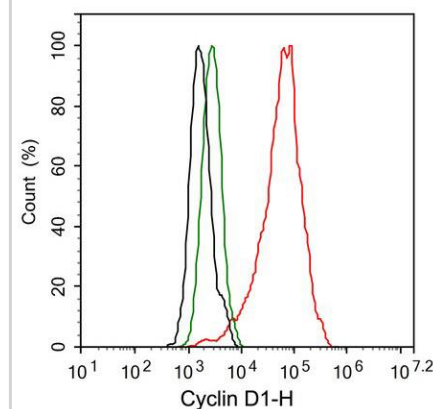
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Cyclin D1 antibody at 1/2,000 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.

Flow Cytometry: Cyclin D1 Antibody (PD01-64) [NBP3-32236] - Flow cytometric analysis of MCF7 cells labeling Cyclin D1.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32236, red) at 1/5,000 dilution, compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with an iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabeled sample was used as a control (cells without incubation with primary antibody; black).



Western Blot: Cyclin D1 Antibody (PD01-64) [NBP3-32236] - Western blot analysis of Cyclin D1 on different lysates with Rabbit anti-Cyclin D1 antibody (NBP3-32236) at 1/5,000 dilution.

Lane 1: MCF7 cell lysate
 Lane 2: K-562 cell lysate (negative)
 Lane 3: A431 cell lysate
 Lane 4: Neuro-2a cell lysate
 Lane 5: NIH/3T3 cell lysate
 Lane 6: C6 cell lysate
 Lane 7: SH-SY5Y cell lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 34 kDa
 Observed band size: 35 kDa

Exposure time: 20 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody at 1/5,000 dilution was used in 5% NFDN/TBST at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.





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Products Related to NBP3-32236

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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