

# Product Datasheet

## **p16INK4a/CDKN2A Antibody (PD01-16)** **NBP3-32688**

Unit Size: 100 ul

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

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**NBP3-32688**

p16INK4a/CDKN2A Antibody (PD01-16)

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	PD01-16
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	16 kDa
Product Description	
Host	Mouse
Gene ID	1029
Gene Symbol	CDKN2A
Species	Human
Immunogen	Synthetic peptide. (Uniprot: P42771)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200-1:500



## Images

Western Blot: p16INK4a/CDKN2A Antibody (PD01-16) [NBP3-32688] - Western blot analysis of p16INK4a/CDKN2A on different lysates with Mouse anti-p16INK4a/CDKN2A antibody (NBP3-32688) at 1/1,000 dilution.

Lane 1: HeLa cell lysate  
Lane 2: HepG2 cell lysate  
Lane 3: HEK-293 cell lysate  
Lane 4: NIH:OVCAR-3 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 16 kDa  
Observed band size: 16 kDa

Exposure time: 2 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32688) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.

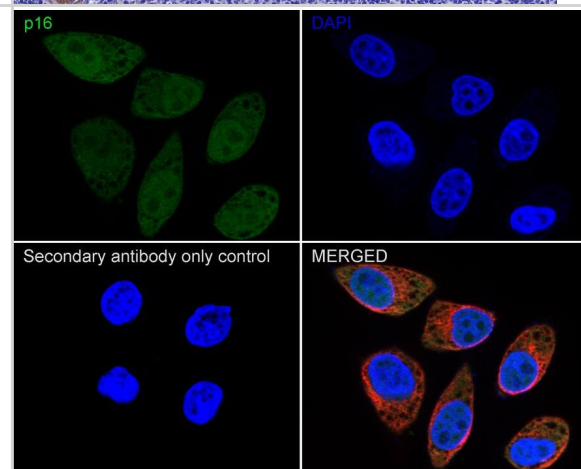
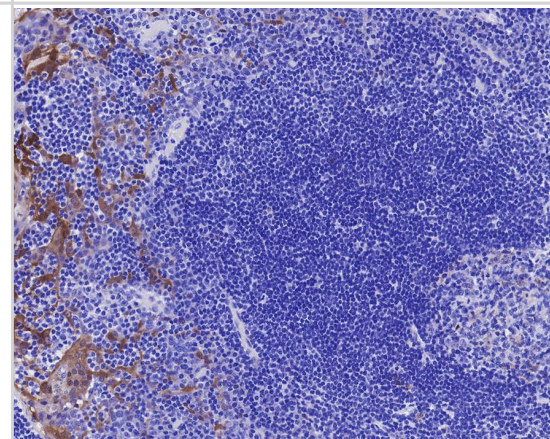
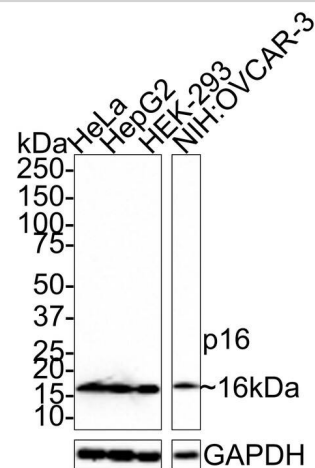
Immunohistochemistry: p16INK4a/CDKN2A Antibody (PD01-16) [NBP3-32688] - Immunohistochemical analysis of paraffin-embedded human tonsil tissue with Mouse anti-p16INK4a/CDKN2A antibody (NBP3-32688) at 1/500 dilution.

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 ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32688) at 1/500 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: p16INK4a/CDKN2A Antibody (PD01-16) [NBP3-32688] - Immunocytochemistry analysis of HeLa cells labeling p16INK4a/CDKN2A with Mouse anti-p16INK4a/CDKN2A antibody (NBP3-32688) at 1/100 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 Mouse anti-p16INK4a/CDKN2A antibody (NBP3-32688) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse 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-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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### Products Related to NBP3-32688

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-35199-10ug	Recombinant Human p16INK4a/CDKN2A Protein

### 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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