

# Product Datasheet

## alpha Tubulin Antibody (PSH02-94) NBP3-33139

Unit Size: 100 ul

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

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**NBP3-33139**

alpha Tubulin Antibody (PSH02-94)

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	PSH02-94
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	55 kDa

Product Description	
Description	Novus Biologicals Rabbit alpha Tubulin Antibody (PSH02-94) (NBP3-33139) 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	7846
Gene Symbol	TUBA1A
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human alpha Tubulin aa 402-451 / 451. (Uniprot: P68363)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000-1:5000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:250-1:500, Immunohistochemistry-Paraffin 1:1000



## Images

Western Blot: alpha Tubulin Antibody (PSH02-94) [NBP3-33139] - Western blot analysis of alpha Tubulin on different lysates with Rabbit anti-alpha Tubulin antibody (NBP3-33139) at 1/5,000 dilution.

Lane 1: HeLa cell lysate  
 Lane 2: PC-12 cell lysate  
 Lane 3: NIH/3T3 cell lysate  
 Lane 4: Daudi cell lysate  
 Lane 5: Jurkat cell lysate  
 Lane 6: A431 cell lysate  
 Lane 7: K-562 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 50 kDa  
 Observed band size: 50 kDa

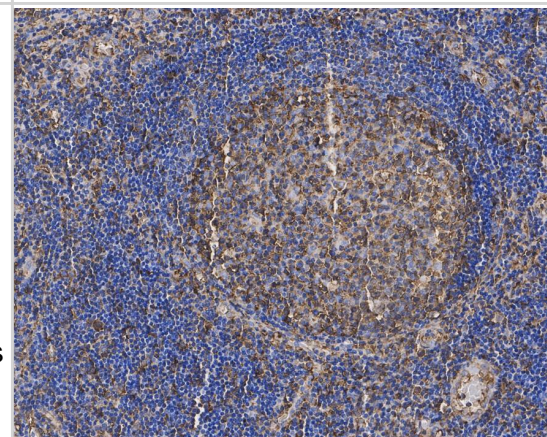
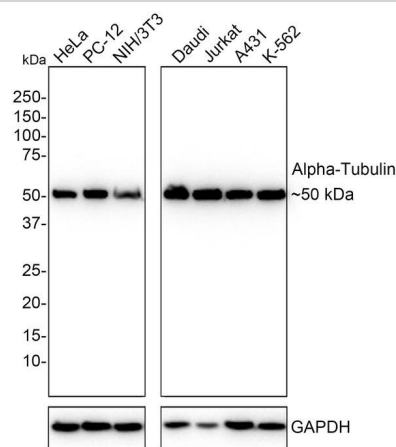
Exposure time: 1 minutes 2 seconds;

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 (NBP3-33139) at 1/5,000 dilution was used in 5% NFDm/TBST at 4C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

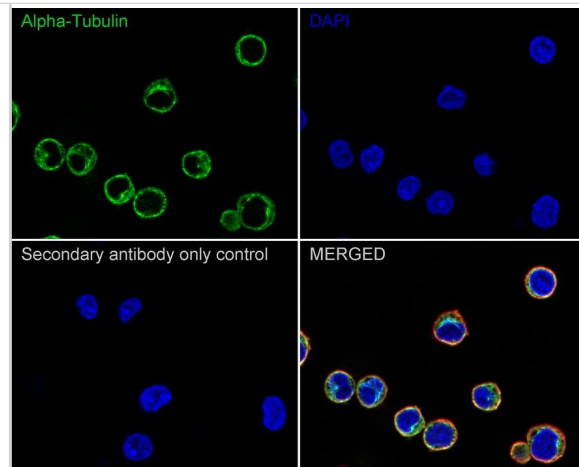
Immunohistochemistry: alpha Tubulin Antibody (PSH02-94) [NBP3-33139] - Immunohistochemical analysis of paraffin-embedded human tonsil tissue with Rabbit anti-alpha Tubulin antibody (NBP3-33139) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 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 (NBP3-33139) at 1/1,000 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: alpha Tubulin Antibody (PSH02-94) [NBP3-33139]** - Immunocytochemistry analysis of Daudi cells labeling alpha Tubulin with Rabbit anti-alpha Tubulin antibody (NBP3-33139) at 1/500 dilution.

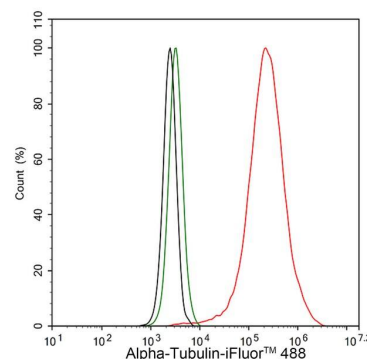
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-alpha Tubulin antibody (NBP3-33139) at 1/500 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: alpha Tubulin Antibody (PSH02-94) [NBP3-33139]** - Flow cytometric analysis of HeLa cells labeling alpha Tubulin.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-33139, 1 µg/mL) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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### **Products Related to NBP3-33139**

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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

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### **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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