

Product Datasheet

alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free NBP2-80569

Unit Size: 0.25 mg

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

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NBP2-80569

alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free

Product Information	
Unit Size	0.25 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	YOL1/34
Preservative	No Preservative
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	50 kDa

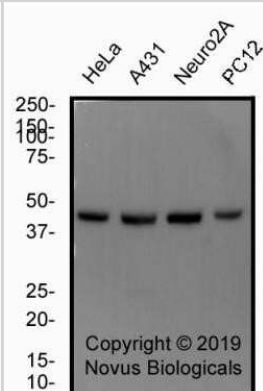
Product Description	
Description	Novus Biologicals Rat alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free (NB100-1639) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	7846
Gene Symbol	TUBA1A
Species	Human, Mouse, Rat, Drosophila, Fungi, Yeast
Reactivity Notes	Cross reacts with Arabidopsis, Saccharomyces, Platyzoma, Ashbya, and Naegleria. Based on sequence similarity, is expected to react with: Birds and Mammals.
Immunogen	This alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free was developed against yeast tubulin.

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Radioimmunoassay
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry, ELISA 10 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Radioimmunoassay 1:100-1:2000, Flow (Intracellular)

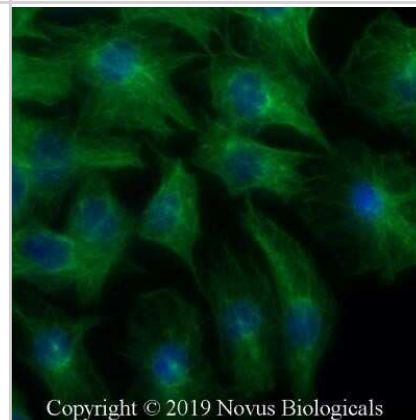


Images

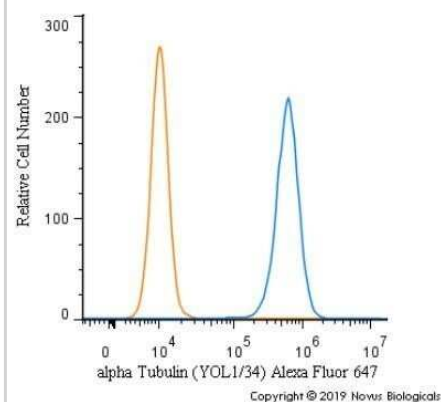
Western Blot: alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free [NBP2-80569] - Total protein from human HeLa and A431, mouse 3T3 and rat PC12 cell lines was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-alpha Tubulin in block buffer and detected with an anti-mouse HRP secondary antibody using West Pico PLUS chemiluminescence detection reagent. Alpha tubulin molecular weight: 50 kDa. Image from the standard format of this antibody.



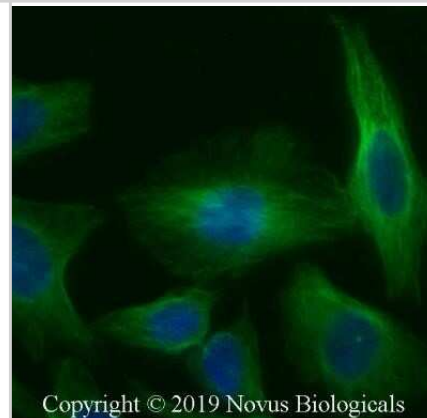
Immunocytochemistry/Immunofluorescence: alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free [NBP2-80569] - PC12 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-Tubulin Antibody [YOL1/34] at 5 ug/ml overnight at 4C and detected with an anti-rat Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



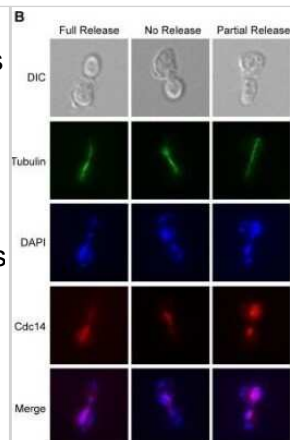
Flow Cytometry: alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free [NBP2-80569] - An intracellular stain was performed on HeLa cells with alpha Tubulin Antibody [YOL1/34] NB100-1639AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 647. Image using the Alexa Fluor 647 format of this antibody.



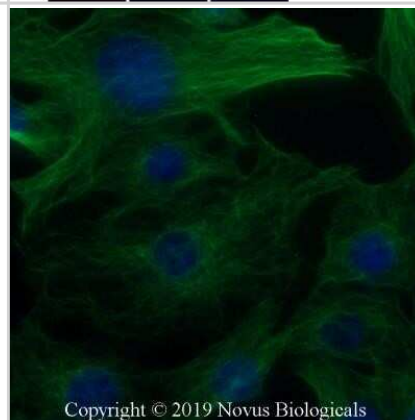
Immunocytochemistry/Immunofluorescence: alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free [NBP2-80569] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-Tubulin Antibody [YOL1/34] at 5 ug/ml overnight at 4C and detected with an anti-rat Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free [NBP2-80569] - Representative images from Cdc14 release assay. Cells are assayed for spindle morphology & Cdc14 release phenotype by indirect immunofluorescence with anti-tubulin or anti-HA, which recognizes the HA-tagged version of Cdc14 in all strains. Cells are visualized by nuclear staining with DAPI & by differential interference contrast (DIC) optics for comparison. No release refers to dense nucleolar staining of Cdc14-HA, full release refers to cells with uniform Cdc14-HA localization throughout the nucleus, while partial release refers to cells with both nuclear & residual nucleolar staining. Image collected & cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pgen.1000588>), licensed under a CC-BY license. Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: alpha Tubulin Antibody (YOL1/34) - Azide and BSA Free [NBP2-80569] - NIH3T3 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-Tubulin Antibody [YOL1/34] at 5 ug/ml overnight at 4C and detected with an anti-rat Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.





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Products Related to NBP2-80569

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)

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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