

# Product Datasheet

## alpha Tubulin Antibody (F2C) - Chimeric - Azide and BSA Free NBP3-09006-0.2mg

Unit Size: 0.2 mg

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

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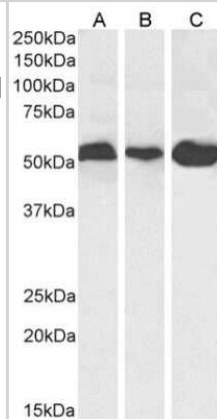
**NBP3-09006-0.2mg**

alpha Tubulin Antibody (F2C) - Chimeric - Azide and BSA Free

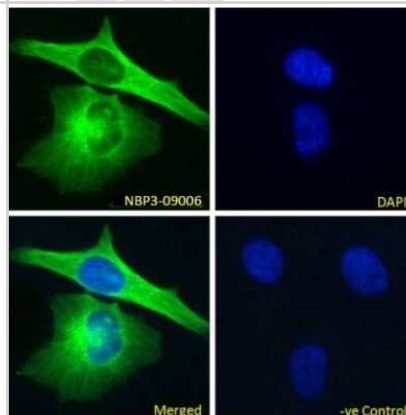
Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	F2C
Preservative	0.02% Proclin 300
Isotype	IgG Lambda
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rabbit alpha Tubulin Antibody (F2C) - Chimeric - Azide and BSA Free (NBP3-09006) is a recombinant monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7846
Gene Symbol	TUBA1A
Species	Human
Specificity/Sensitivity	Binds specifically to human alpha-tubulin (no crossreactivity with beta-tubulin).
Immunogen	Human MBP (microtubule-binding protein).
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	<p>This full-length, chimeric rabbit antibody was made using the variable domain sequences of the original Human scFv format, for improved compatibility with existing reagents, assays and techniques.</p> <p>This antibody binds alpha-tubulin. Tubulin is the major constituent of microtubules. The alpha-chain has a non-exchangeable GTP-binding site.</p>

## Images

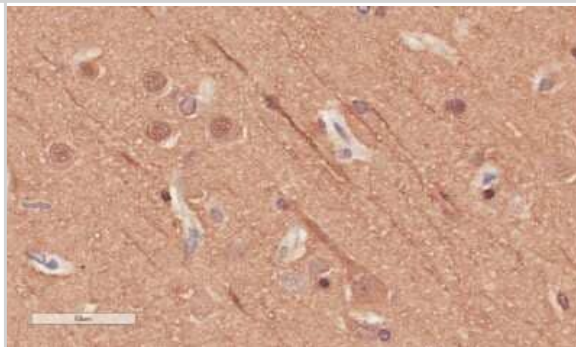
**Western Blot: alpha Tubulin Antibody (F2C) - Chimeric [NBP3-09006] -** HeLa (A), HEK293 (B), and HepG2 (C) cell lysate samples (35ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of F2C (NBP3-09006) at 0.01 ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected band size for alpha Tubulin is ~55kDa. NBP3-09006 successfully detected human alpha Tubulin in HeLa, HEK293, and HepG2 cell lysate samples.



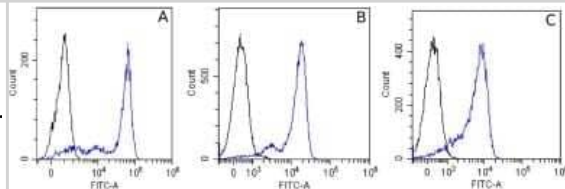
**Immunocytochemistry/Immunofluorescence: alpha Tubulin Antibody (F2C) - Chimeric [NBP3-09006] -** Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of F2C (NBP3-09006) at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (1 ug/ml), showing microtubule staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09006, DAPI, merged channels and a negative control. The negative control was stained with unimmunized rabbit IgG followed by Alexa Fluor(R) 488 secondary antibody.



**Immunohistochemistry-Paraffin: alpha Tubulin Antibody (F2C) - Chimeric [NBP3-09006] -** Anti-Alpha Tubulin staining of paraffin embedded human cerebral cortex tissue using the rabbit-chimeric version of F2C (NBP3-09006). Antigen retrieval was achieved by microwaving in citrate buffer (pH6), followed by blocking with protein block serum-free buffer. Primary antibody incubation with NBP3-09006 was carried out at 4 ug/ml for 30 minutes. Samples were then incubated with an anti-rabbit IgG HRP secondary antibody for 20 mins followed by DAB (3,3'-diaminobenzidine), and counter-staining with haematoxylin. Staining of axons and a few neuronal cell bodies may be observed. Recommended concentration, 2-4 ug/ml.



**Flow Cytometry: alpha Tubulin Antibody (F2C) - Chimeric [NBP3-09006] -** HepG2 (A), HeLa (B) and Hek293 (C) cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of F2C (NBP3-09006, blue line) at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using anti-rabbit IgG JK (FITC-conjugate) antibody (129936) at 2 ug/ml and cells analyzed on a FACSCanto flow-cytometer.





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### **Products Related to NBP3-09006-0.2mg**

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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]
H00007846-Q01-10ug	Recombinant Human alpha Tubulin GST (N-Term) Protein

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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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