

# Product Datasheet

## beta-III Tubulin Antibody (CL5814) - Azide and BSA Free NBP3-44244

Unit Size: 100 ug

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

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**NBP3-44244**

beta-III Tubulin Antibody (CL5814) - Azide and BSA Free

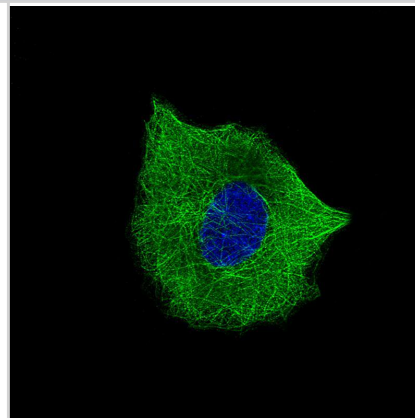
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL5814
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG2b
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description	
Description	Novus Biologicals Mouse beta-III Tubulin Antibody (CL5814) - Azide and BSA Free (NBP2-61431) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	10381
Gene Symbol	TUBB3
Species	Human, Mouse, Rat
Immunogen	This antibody was generated using a synthetic peptide of Q13509, with the exact immunogen sequence remaining proprietary.

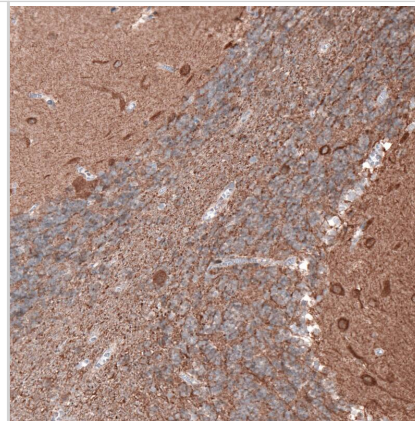
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:50000 - 1:100000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence/IF Fixation Permeabilization: PFA/Triton X-100

**Images**

Staining of A549 cells using the Anti-beta-III Tubulin monoclonal antibody) .



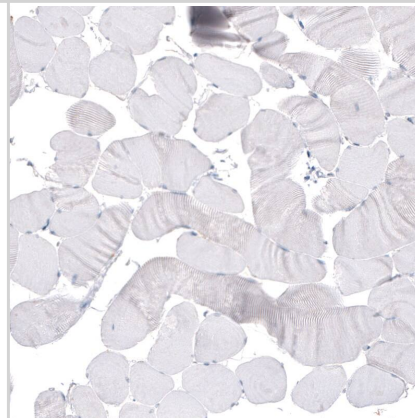
Staining of human cerebellum shows strong positivity in both neuronal cell bodies and neuropil.



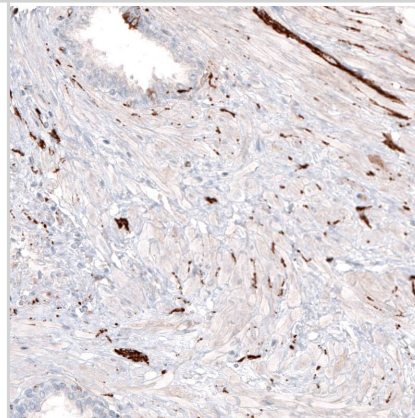
Staining of human cerebral cortex shows strong positivity in neuropil as well as in neurons.



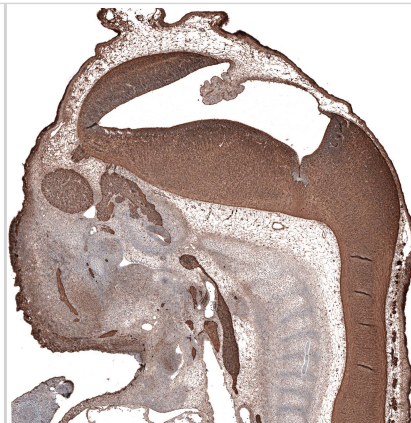
Staining of human skeletal muscle shows absence of positivity in striated muscle fibers as expected (negative control).



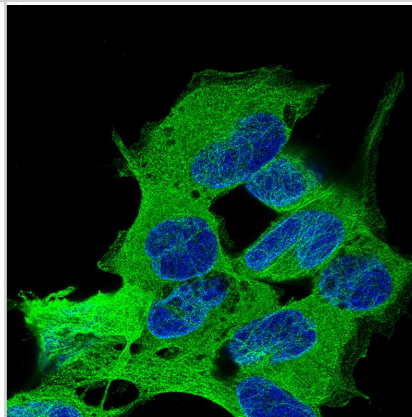
Staining of human prostate shows strong positivity in the peripheral nerves.



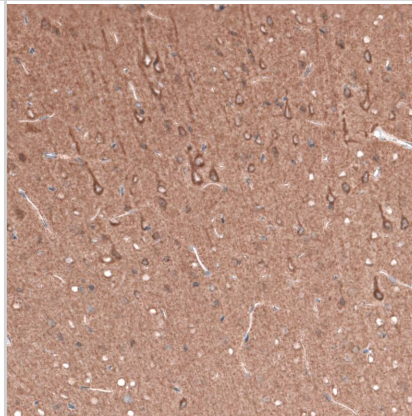
Staining of mouse embryo E11 shows strong positivity in the developing central and peripheral nervous system.



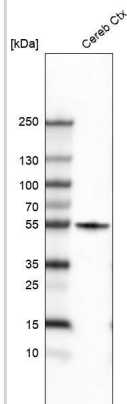
Staining of SH-SY5Y cells using the Anti-beta-III Tubulin monoclonal antibody, showing specific staining on microtubules in green. Nuclear probe is visualized in blue.



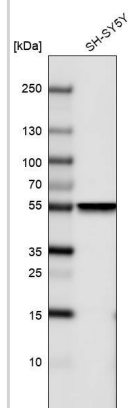
Staining of rat cerebral cortex shows strong positivity in neuronal cell bodies and in neuropil.



Analysis in human cerebral cortex tissue.



Analysis in human cell line SH-SY5Y.





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### **Products Related to NBP3-44244**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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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