

Product Datasheet

beta-III Tubulin Antibody (CL5813) NBP3-52481

Unit Size: 100 ug

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

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NBP3-52481

beta-III Tubulin Antibody (CL5813)

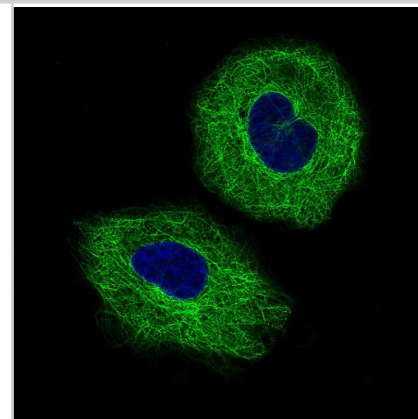
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL5813
Preservative	0.02% Sodium Azide
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG1
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description	
Host	Mouse
Gene ID	10381
Gene Symbol	TUBB3
Species	Human
Immunogen	This antibody was developed using a synthetic peptide derived from Q13509, with the exact immunogen sequence remaining proprietary.

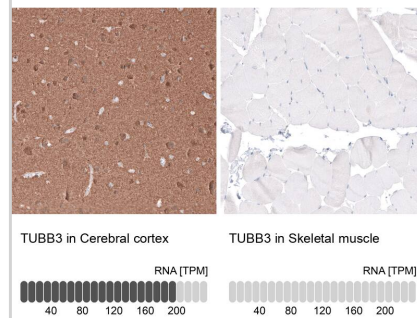
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:50000 - 1:100000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:50000 - 1:100000
Application Notes	For IHC-Paraffin, we recommend using Heat-Induced Epitope Retrieval (HIER) with a pH level of 6. This optimized retrieval method ensures the best results for your experiments. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

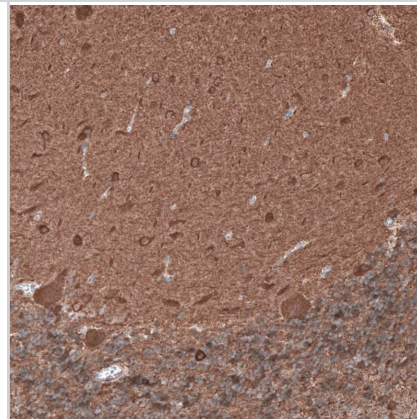
Staining of A549 cells showing specific staining on microtubules in green. Microtubule and nuclear probes are visualized in red and blue, respectively (where available).



Analysis in human cerebral cortex and skeletal muscle tissues.
Corresponding RNA-seq data are presented for the same tissues.



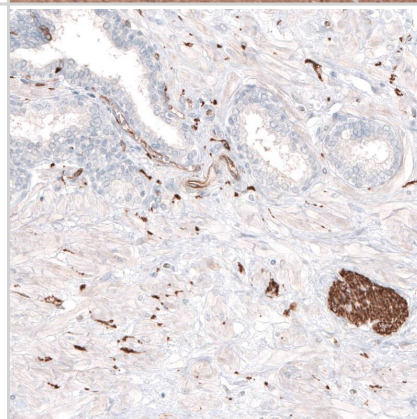
Staining of human cerebellum shows strong positivity in neurons and neuropil.



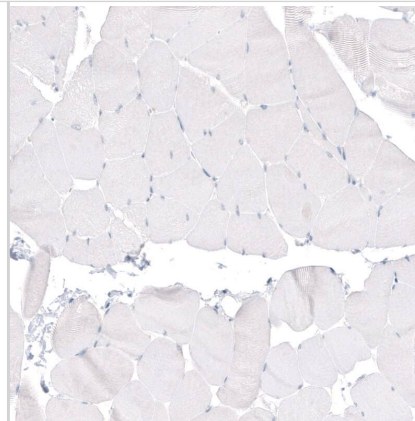
Staining of human cerebral cortex shows strong positivity in neurons and neuropil.



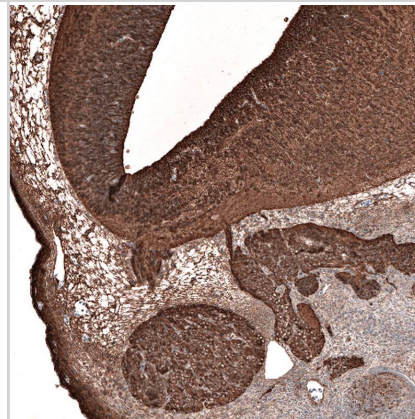
Staining of human prostate shows strong positivity in peripheral nerves.



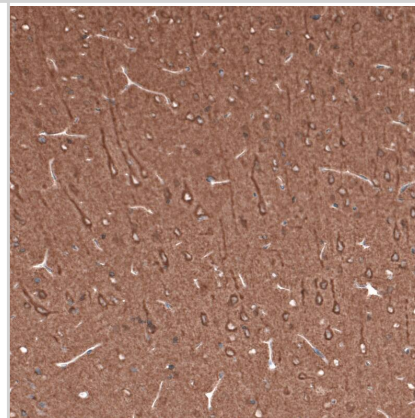
Staining of human skeletal muscle shows no positivity in myocytes as expected.



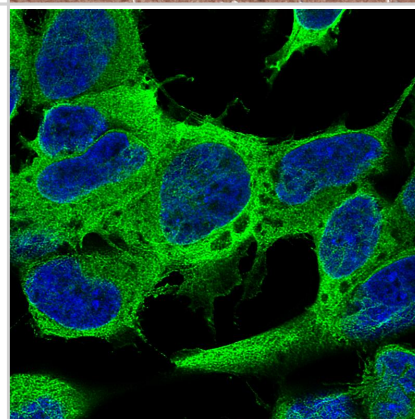
Staining of mouse embryo E11 shows strong positivity in the developing central and peripheral nervous system.



Staining of rat brain shows strong cytoplasmic positivity in neurons.



Staining of SH-SY5Y cells showing specific staining on microtubules in green. Nuclear probe is visualized in blue.





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Products Related to NBP3-52481

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-22901	Recombinant Human beta-III Tubulin His 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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