

# Product Datasheet

## Neurofibromin 1 Antibody (McNFn27b) - BSA Free NB300-154

Unit Size: 0.2 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 2

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**NB300-154**

Neurofibromin 1 Antibody (McNFn27b) - BSA Free

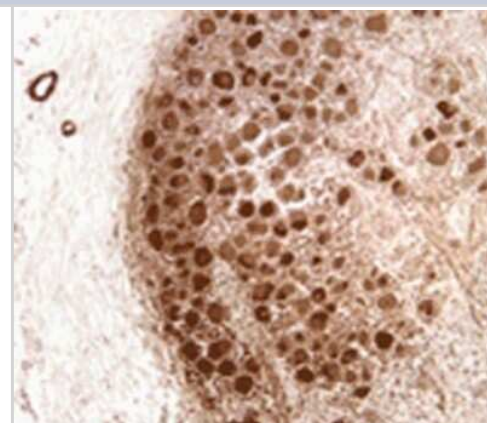
Product Information	
Unit Size	0.2 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	McNFn27b
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse Neurofibromin 1 Antibody (McNFn27b) - BSA Free (NB300-154) is a monoclonal antibody validated for use in IHC, ELISA and IP. Anti-Neurofibromin 1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4763
Gene Symbol	NF1
Species	Human, Mouse, Rat, Guinea Pig
Immunogen	A highly conserved N-terminal peptide, corresponding to amino acids 27-41 of human Neurofibromin 1. [UniProt# P21359]

Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	ELISA 1:100 - 1:2000, Immunohistochemistry 10 - 20 ug/mL, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 10 - 20 ug/mL
Application Notes	Antigen retrieval is not required for immunostaining of frozen sections. Antigen retrieval with trypsin or citrate improves IHC on paraffin sections.

**Images**

Immunohistochemistry-Paraffin: Neurofibromin 1 Antibody (McNFn27b) [NB300-154] - Staining of adult human dorsal root ganglia.



## Publications

Kuorilehto T, Nissinen M, Koivunen J et al. NF1 tumor suppressor protein and mRNA in skeletal tissues of developing and adult normal mouse and NF1-deficient embryos. *J Bone Miner Res.* 2004-06-01 [PMID: 15125795] (IHC-P, Mouse)

Hisaka M, Hashimoto H, Ohguri T et al. Congenital (infantile) pseudarthrosis of the fibula associated with osteofibrous dysplasia. *Skeletal Radiol*;33(9):545-9. 2004-09-01 [PMID: 15258702] (IF/IHC, Human)



## Procedures

### Immunohistochemistry-Paraffin Protocol for Neurofibromin 1 Antibody (NB300-154)

#### Immunohistochemistry-Paraffin Embedded Sections

##### Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes (keep slides in the sodium citrate buffer at all times).

##### Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in PBS for 5 minutes.
3. Block each section with 100-400 ul blocking solution (1% BSA in PBS) for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul HRP polymer conjugated secondary antibody. Incubate 30 minutes at room temperature.
7. Wash sections three times in wash buffer for 5 minutes each.
8. Add 100-400 ul DAB substrate to each section and monitor staining closely.
9. As soon as the sections develop, immerse slides in deionized water.
10. Counterstain sections in hematoxylin.
11. Wash sections in deionized water two times for 5 minutes each.
12. Dehydrate sections.
13. Mount coverslips.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB300-154**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB300-154F	Neurofibromin 1 Antibody (McNFn27b) [FITC]

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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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