

Product Datasheet

Neurofibromin 1 Antibody (McNFn27a) - BSA Free NB300-153

Unit Size: 0.2 ml

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

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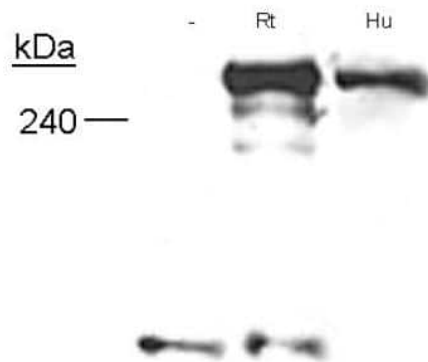


NB300-153**Neurofibromin 1 Antibody (McNFn27a) - BSA Free**

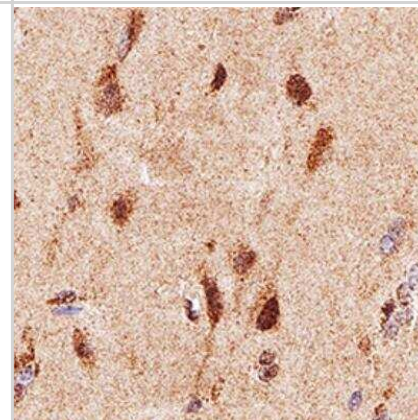
Product Information	
Unit Size	0.2 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	McNFn27a
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	4763
Gene Symbol	NF1
Species	Human, Mouse, Rat, Guinea Pig
Specificity/Sensitivity	This is specific for full-length or truncated forms of neurofibromin.
Immunogen	A highly conserved N-terminal peptide, corresponding to amino acids 27-41 of human Neurofibromin 1. [UniProt# P21359]
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 2-5 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 1:20 - 1:50, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:20 - 1:50. Use reported in scientific literature

Images

Western Blot: Neurofibromin 1 Antibody (McNFn27a) [NB300-153] - Specificity of Neurofibromin, using NB 300-153, in Schwann cells from embryonic knockout mice, adult human nerves and neonatal rat nerves.



Immunohistochemistry-Paraffin: Neurofibromin 1 Antibody (McNFn27a) [NB300-153] - IHC analysis of formalin fixed paraffin-embedded (FFPE) human brain using Neurofibromin 1 antibody at 1:50 on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Nuclear staining of Neurofibromin 1 was observed. Staining was performed by Histowiz.



Publications

Tucker T, Riccardi VM, Brown C, Fee J, Sutcliffe M, Vielkind J, Wechsler J, Wolkenstein P, Friedman JM. S100B and neurofibromin immunostaining and X-inactivation patterns of laser-microdissected cells indicate a multicellular origin of some NF1-associated neurofibromas. *J Neurosci Res.* 89(9):1451-60. doi: 10.1002/jnr.22654. 2011-09-01 [PMID: 21674567] (IHC-P, Human)



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Products Related to NB300-153

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB300-153R	Neurofibromin 1 Antibody (McNFn27a) [DyLight 550]

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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