

Product Datasheet

SMN Antibody (2B1) - Azide and BSA Free NBP2-80955

Unit Size: 0.1 ml

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

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NBP2-80955

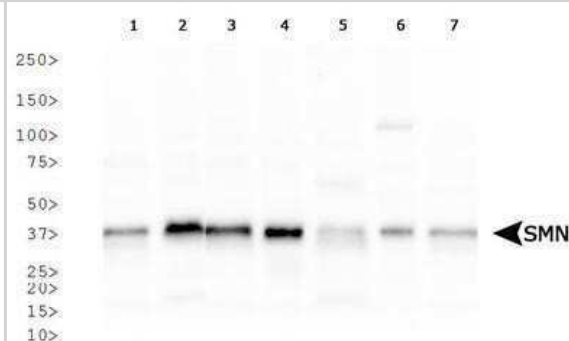
SMN Antibody (2B1) - Azide and BSA Free

Product Information	
Unit Size	0.1 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	2B1
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	Tris-Glycine, 0.15 M NaCl
Product Description	
Description	Novus Biologicals Mouse SMN Antibody (2B1) - Azide and BSA Free (NB100-1936) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6606
Gene Symbol	SMN1
Species	Human, Mouse, Rat, Primate, Xenopus, Zebrafish
Reactivity Notes	Zebrafish reactivity reported in scientific literature (PMID: 27273160).
Immunogen	Purified recombinant His6-tagged human SMN protein. [Swiss-Prot# Q16637]
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 2 ug/ml, Flow Cytometry reported in scientific literature (PMID 30102724), ELISA reported in scientific literature (PMID 23973875), Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:250, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:200
Application Notes	This SMN Antibody (2B1) is useful for Immunocytochemistry/Immunofluorescence, Immunohistochemistry on paraffin-embedded sections, Flow Cytometry, Immunoprecipitation, and Western blot where a band can be seen at ~ 35 kDa.



Images

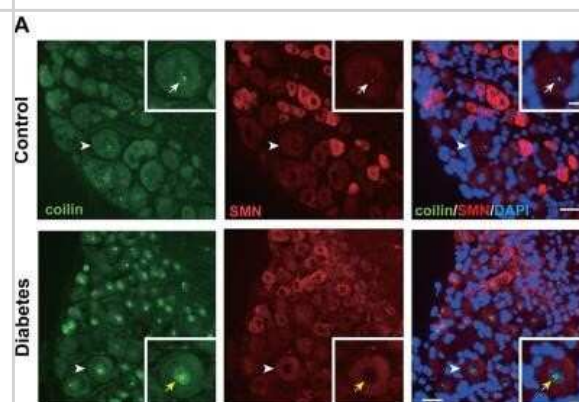
Western Blot: SMN Antibody (2B1) - Azide and BSA Free [NBP2-80955] - Analysis of SMN expression in 1) HeLa, 2) NTera2, 3) HepG2, 4) MCF7, 5) NIH 3T3, 6) PC12, and 7) COS7 whole cell lysates. Image from the standard format of this antibody.



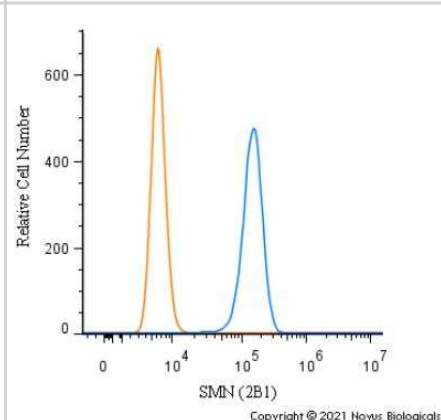
Immunocytochemistry/Immunofluorescence: SMN Antibody (2B1) - Azide and BSA Free [NBP2-80955] - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.5% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-SMN Antibody (2B1) NBP2-80955 at 2 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



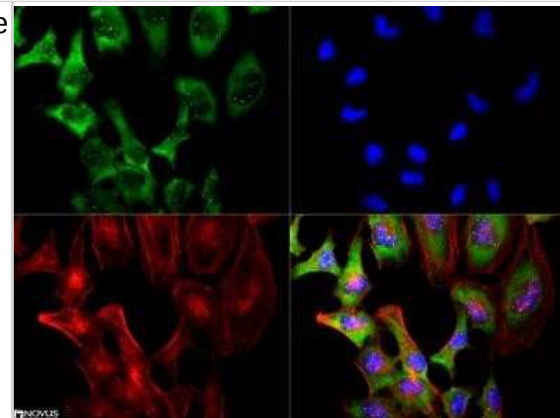
Immunohistochemistry: SMN Antibody (2B1) - Azide and BSA Free [NBP2-80955] - CBs lose their colocalization with SMN nuclear foci in diabetic mice. Normal and pathological distribution of SMN proteins in sensory neurons. SMN proteins were found throughout the cytoplasm and as nuclear foci in control sensory neurons. SMN nuclear foci



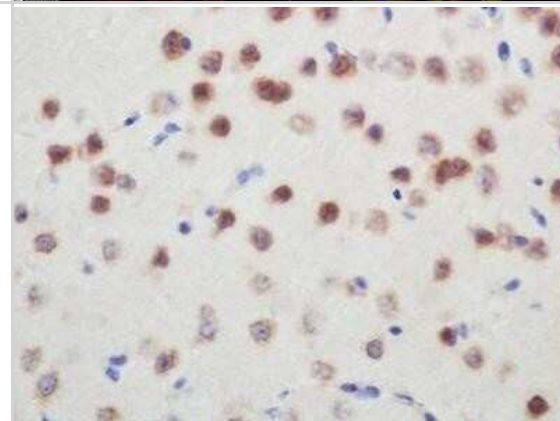
Flow Cytometry: SMN Antibody (2B1) - Azide and BSA Free [NBP2-80955] - An intracellular stain was performed on Neuro2a cells with SMN Antibody (2B1) NBP2-80955 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (35503, Thermo Fisher).



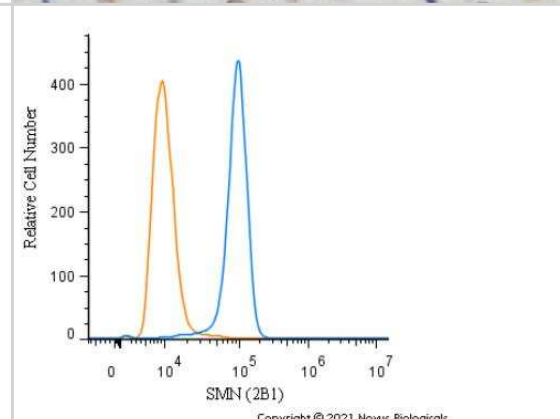
Immunocytochemistry/Immunofluorescence: SMN Antibody (2B1) - Azide and BSA Free [NBP2-80955] - The SMN antibody was tested at a 1:250 dilution in HeLa cells against DyLight 488 (Green). Actin nuclei were counterstained against Phalloidin 568 (Red) and DAPI (Blue), respectively. Image from the standard format of this antibody.



Immunohistochemistry: SMN Antibody (2B1) - Azide and BSA Free [NBP2-80955] - Analysis of SMN on mouse brain using NB100-1936. Image from the standard format of this antibody.



Flow Cytometry: SMN Antibody (2B1) - Azide and BSA Free [NBP2-80955] - An intracellular stain was performed on Ntera2 cells with SMN Antibody (2B1) NBP2-80955 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, DyLight 550 (35503, Thermo Fisher).





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Products Related to NBP2-80955

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-46712PEP	SMN Recombinant Protein Antigen

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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