

Product Datasheet

Ataxin-2 Antibody - BSA Free

NBP1-90063

Unit Size: 0.1 ml

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

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Publications: 6

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Updated 9/9/2025 v.20.1

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NBP1-90063

Ataxin-2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

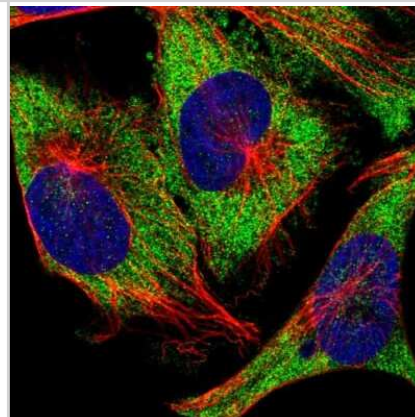
Product Description	
Description	Novus Biologicals Rabbit Ataxin-2 Antibody - BSA Free (NBP1-90063) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Ataxin-2 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6311
Gene Symbol	ATXN2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in (PMID: 36288714).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TPPAYSTQYVAYSPQQFPNQPLVQHVPHYQSQHPHVYSPVIQGNARMMAPPT HAQPGLVSSSATQYGAHEQTHAMYACPKLPYNKETSPSFYFAISTGSLAQQYA HPNATLHPHTPHPQPSATPTGQQQSQHGGSHAPS

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. Please note that WB is no longer validated for the current lot of this antibody. The publications that cite use of this product in WB were for previous lots. The antibody may work in WB but we do not guarantee it any longer.

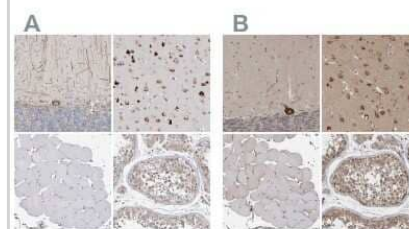


Images

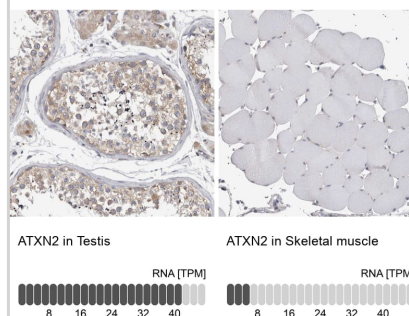
Immunocytochemistry/Immunofluorescence: Ataxin-2 Antibody [NBP1-90063] - Staining of human cell line U-251 MG shows localization to cytosol. Antibody staining is shown in green.



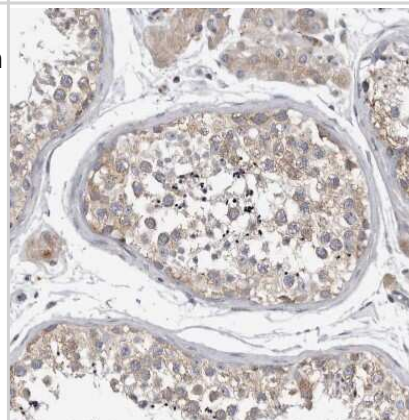
Immunohistochemistry-Paraffin: Ataxin-2 Antibody [NBP1-90063] - Staining of human cerebellum, cerebral cortex, skeletal muscle and testis using Anti-Ataxin-2 antibody NBP1-90063 (A) shows similar protein distribution across tissues to independent antibody NBP1-90062 (B).



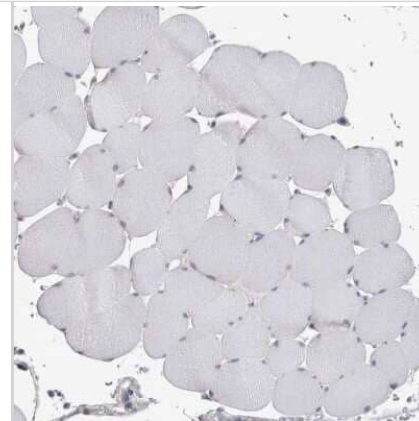
Analysis in human testis and skeletal muscle tissues using NBP1-90063 antibody. Corresponding ATXN2 RNA-seq data are presented for the same tissues.



Immunohistochemistry-Paraffin: Ataxin-2 Antibody [NBP1-90063] - Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts.



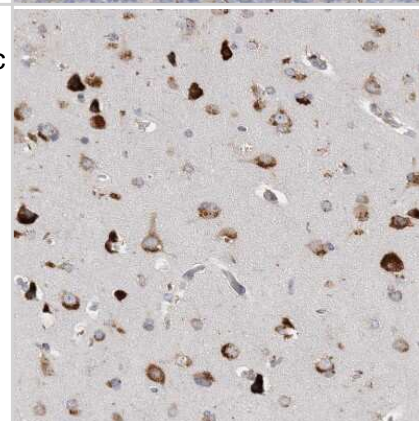
Immunohistochemistry-Paraffin: Ataxin-2 Antibody [NBP1-90063] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: Ataxin-2 Antibody [NBP1-90063] - Staining of human cerebellum shows strong cytoplasmic positivity in Purkinje cells.



Immunohistochemistry-Paraffin: Ataxin-2 Antibody [NBP1-90063] - Staining of human cerebral cortex shows moderate to strong cytoplasmic positivity in neurons.



Publications

M. Alejandra Zeballos C., Hayden J. Moore, Tyler J. Smith, Jackson E. Powell, Najah S. Ahsan, Sijia Zhang, Thomas Gaj Mitigating a TDP-43 proteinopathy by targeting ataxin-2 using RNA-targeting CRISPR effector proteins *Nature Communications* 2023-10-14 [PMID: 37838698]

Qiuyu Martin Zhu, Yu-Han H Hsu, Frederik H Lassen, Bryan T MacDonald, Stephanie Stead, Edyta Malolepsza, April Kim, Taibo Li, Taiji Mizoguchi, Monica Schenone, Gaelen Guzman, Benjamin Tanenbaum, Nadine Fornelos, Steven A Carr, Rajat M Gupta, Patrick T Ellinor, Kasper Lage Protein interaction networks in the vasculature prioritize genes and pathways underlying coronary artery disease. *Communications biology* 2024-01-15 [PMID: 38216744]

Kim G, Nakayama L, Blum JA et al. Genome-wide CRISPR screen reveals v-ATPase as a drug target to lower levels of ALS protein ataxin-2 *Cell reports* 2022-10-25 [PMID: 36288714] (ICC/IF, Mouse)

Details:

Dilution used in ICC 1:1000

Rodriguez CM, Bechek SC, Jones GL et al. Targeting RTN4/NoGo-Receptor reduces levels of ALS protein ataxin-2 *Cell reports* 2022-10-25 [PMID: 36288715] (ICC/IF, WB, Human)

Abraham KJ, Chan JN, Salvi JS et al. Intersection of calorie restriction and magnesium in the suppression of genome-destabilizing RNA-DNA hybrids *Nucleic Acids Res.* 2016-08-29 [PMID: 27574117] (ICC/IF, Human)

Xia G, Santostefano K, Hamazaki T et al. Generation of Human-Induced Pluripotent Stem Cells to Model Spinocerebellar Ataxia Type 2 *In vitro J Mol Neurosci* 2012-12-09 [PMID: 23224816] (ICC/IF, WB, Human)





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 NBP1-90063

NBP1-90063PEP	Ataxin-2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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