

Product Datasheet

ADNP Antibody - BSA Free

NBP1-89236

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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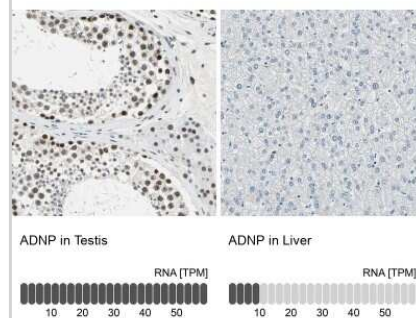
NBP1-89236

ADNP Antibody - BSA Free

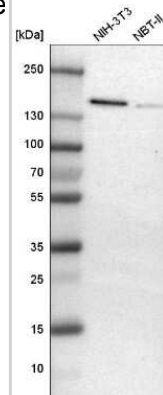
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	23394
Gene Symbol	ADNP
Species	Human, Mouse, Rat, Rabbit
Reactivity Notes	Use in Rabbit reported in scientific literature (PMID:35052632).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SGSPFDPVFEVEPKISNDNPEEHVLKVIPEDASESEEEKLDQKEDGSKYETIHLTE EPTKLMHNASDSEVDQDDVVEWKDGASPSESGPGSQVSDFDNTCEMKPG TWSDESSQSEDARSSKPAAKKKATMQGDREQLKWKNSSYGKVEG
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com)., Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com).
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

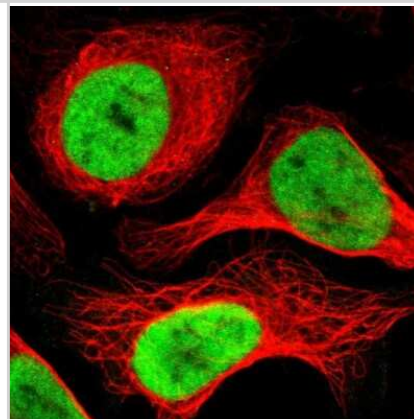
Immunohistochemistry-Paraffin: ADNP Antibody [NBP1-89236] - Analysis in human testis and liver tissues using NBP1-89236 antibody. Corresponding ADNP RNA-seq data are presented for the same tissues.



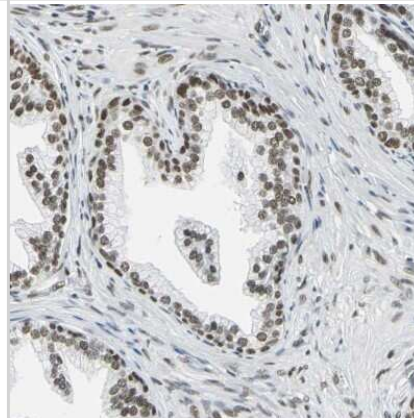
Western Blot: ADNP Antibody [NBP1-89236] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



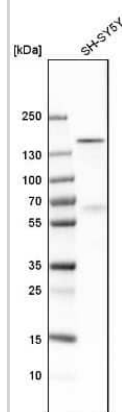
Immunocytochemistry/Immunofluorescence: ADNP Antibody [NBP1-89236] - Staining of human cell line U-2 OS shows localization to nucleoplasm. Antibody staining is shown in green.



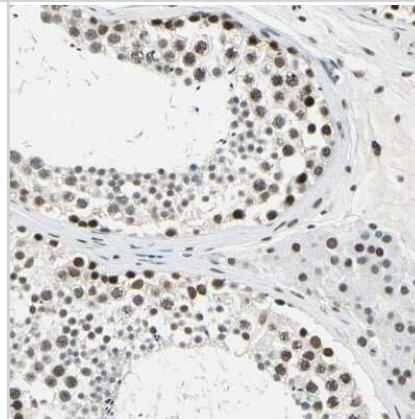
Immunohistochemistry-Paraffin: ADNP Antibody [NBP1-89236] - Staining of human prostate shows strong nuclear positivity in glandular cells.



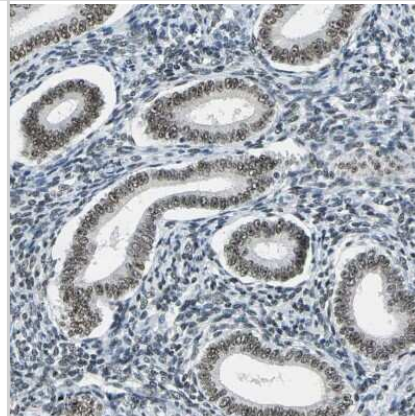
Western Blot: ADNP Antibody [NBP1-89236] - Analysis in human cell line SH-SY5Y.



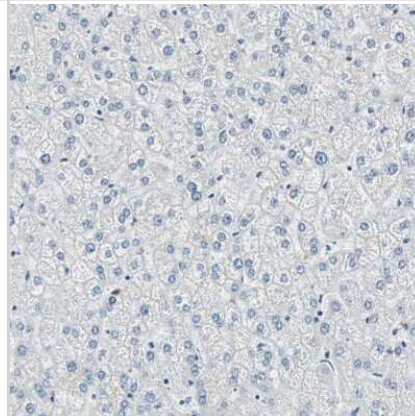
Immunohistochemistry-Paraffin: ADNP Antibody [NBP1-89236] - Staining of human testis shows moderate to strong nuclear positivity in cells in seminiferous ducts.



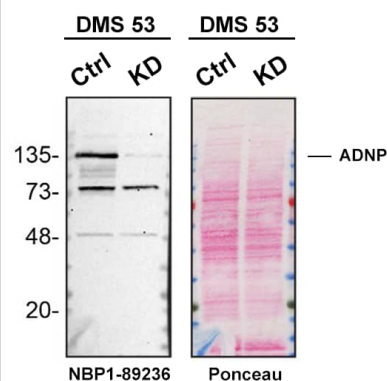
Immunohistochemistry-Paraffin: ADNP Antibody [NBP1-89236] - Staining of human endometrium shows moderate nuclear positivity in glandular cells.



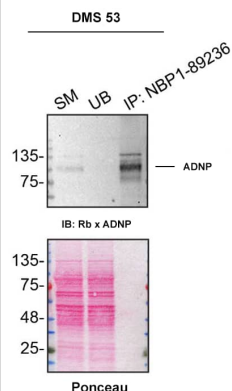
Immunohistochemistry-Paraffin: ADNP Antibody [NBP1-89236] - Staining of human liver shows no positivity in hepatocytes as expected.



Western blot shows lysates of DMS 53 parental cell line and ADNP knockdown DMS 53 cell line (KD). Nitrocellulose membrane was probed with ADNP Antibody (Catalog # NBP1-89236) followed by HRP-conjugated secondary antibody. A specific band was detected for ADNP at approximately 135 kDa (as indicated) in the parental DMS 53 cell line, but is significantly reduced in knockdown DMS 53 cell line. Primary antibody concentration used: 0.4 µg/ml. The Ponceau stained transfer of the blot is shown. This experiment was conducted under reducing conditions. Image, protocol, and testing courtesy of YCharOS Inc. See ycharos.com for additional details.



DMS 53 cell line lysates were prepared and immunoprecipitation was performed using 2.0 µg of ADNP Antibody (Catalog # NBP1-89236) pre-coupled to Dynabeads Protein A. Immunoprecipitated ADNP was detected in Western Blot with a Rabbit ADNP antibody used at 1/500. The Ponceau stained transfer of the blot is shown. SM=4% starting material; UB=4% unbound fraction; IP=immunoprecipitate; HC=antibody heavy chain. Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com).



Publications

Gráinne M Donnelly, Isabel S Moore Sports Medicine and the Pelvic Floor. Current sports medicine reports 2023-03-06 [PMID: 36866951]

Magri B, D'Amico AG, Maugeri G et al. Neuroprotective effect of the PACAP-ADNP axis on SOD1G93A mutant motor neuron death induced by trophic factors deprivation Neuropeptides 2023-10-11 [PMID: 37856900] (Immunohistochemistry, Western Blot, Mouse)

D'Amico AG, Maugeri G, Magri B et al. PACAP-ADNP axis prevents outer retinal barrier breakdown and choroidal neovascularization by interfering with VEGF secreted from retinal pigmented epithelium cells Peptides 2023-07-24 [PMID: 37495040] (WB, ICC/IF, IHC-P, Rat, Human)

Ferreira ACF, Szeto ACH, Clark PA et al. Neuroprotective protein ADNP-dependent histone remodeling complex promotes T helper 2 immune cell differentiation Immunity 2023-05-26 [PMID: 37285842] (IP, Mouse)

Maugeri G, D'Amico AG, Giunta S et al. Activity-Dependent Neuroprotective Protein (ADNP)-Derived Peptide (NAP) Counteracts UV-B Radiation-Induced ROS Formation in Corneal Epithelium Antioxidants (Basel, Switzerland) 2022-01-07 [PMID: 35052632] (IF/IHC, WB, ICC/IF, Rabbit, Human)

Yang M, Chen Y, Tu S et al. Utilizing an Animal Model to Identify Brain Neurodegeneration-Related Biomarkers in Aging International Journal of Molecular Sciences 2021-03-23 [PMID: 33807010] (IF/IHC, Mouse)

Cesur G, Eren MK, Eren E et al. Effect of experimentally induced hypothyroidism during gestation period on activity dependent neurotrophic factor (ADNF) in newborn rat brain tissue. Horm Mol Biol Clin Investig 2018-09-26 [PMID: 30256757] (IF/IHC, Rat)



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 NBP1-89236

NBP1-89236PEP	ADNP 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

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