

Product Datasheet

Decorin Antibody - BSA Free

NBP1-84970

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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NBP1-84970

Decorin 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

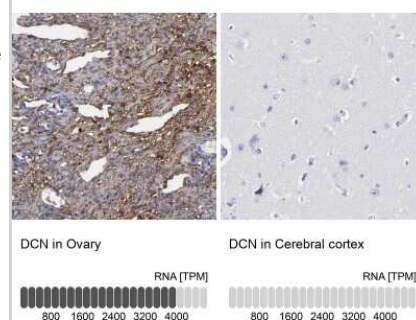
| | |
|-------------------------|---|
| Host | Rabbit |
| Gene ID | 1634 |
| Gene Symbol | DCN |
| Species | Human |
| Reactivity Notes | Human reactivity reported in scientific literature (PMID: 24634138). |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: TNITSIPQGLPPSLTELHLDGKNISRVDAAASLKGLNNLAKLGLSFNSISAVDNGSL ANTPHLRELHLDNNKLTRVPGGLAEHKYIQVVYLHNNNISVVGSSDFCPPGHNT KKASYSGVSLFSNPVQY |

Product Application Details

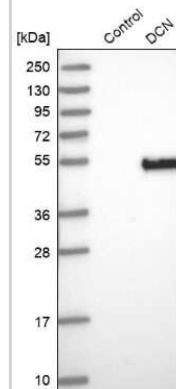
| | |
|------------------------------|--|
| Applications | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000 |
| Application Notes | WB reported in scientific literature (PMID: 25979340). For IHC-Paraffin, HIER pH 6 retrieval is recommended. |

Images

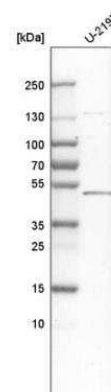
Immunohistochemistry-Paraffin: Decorin Antibody [NBP1-84970] - Staining in human ovary and cerebral cortex tissues using anti-DCN antibody. Corresponding DCN RNA-seq data are presented for the same tissues.



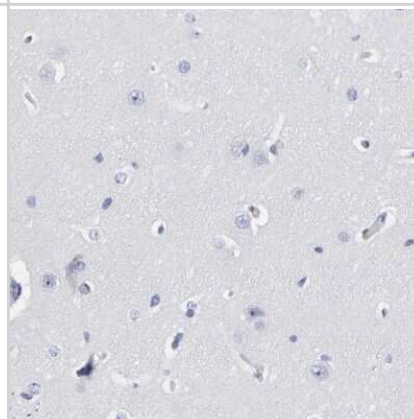
Western Blot: Decorin Antibody [NBP1-84970] - Analysis in control (vector only transfected HEK293T lysate) and DCN over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



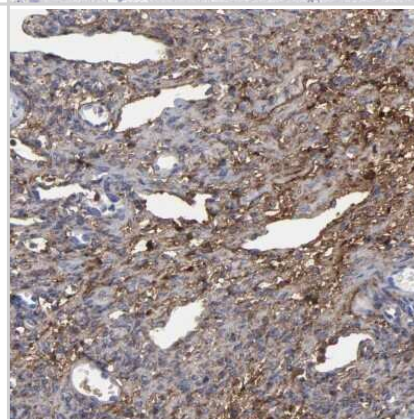
Western Blot: Decorin Antibody [NBP1-84970] - Analysis in human cell line U-2197.



Immunohistochemistry-Paraffin: Decorin Antibody [NBP1-84970] - Staining of human cerebral cortex shows low expression as expected.



Immunohistochemistry-Paraffin: Decorin Antibody [NBP1-84970] - Staining of human ovary shows high expression.



Publications

Voutilainen SH, Kosola SK, Lohi J et al. Expression of 6 Biomarkers in Liver Grafts After Pediatric Liver Transplantation: Correlations with Histology, Biochemistry, and Outcome Annals of Transplantation 2020-10-16 [PMID: 33060556] (Immunohistochemistry)

Kerola A, Lohi J, Heikkila P et al. Divergent expression of liver transforming growth factor superfamily cytokines after successful portoenterostomy in biliary atresia. Surgery 2019-01-24 [PMID: 30686515] (IHC-P, Human)

Bozoky B, Savchenko A, Guven H et al. Decreased decorin expression in the tumor microenvironment. Cancer Med 2014-06-01 [PMID: 24634138] (Human)

Herchenhan A, Uhlenbrock F, Eliasson P et al. Lysyl Oxidase activity is required for ordered collagen fibrillogenesis by tendon cells. J. Biol. Chem. 2015-05-15 [PMID: 25979340] (WB, Human)

Details:

Tenascin X antibody was used at 1:500 dilution with ON 4C incubation for WB detection of established collagen fibrillogenesis regulator Tenascin X protein on samples from the control or beta-aminopropionitrile /BAPN treated tendon constructs which were prepared using tendon fibroblasts isolated from human semitendinosus and gracilis tendon of human anterior cruciate ligament/ACL rupture patients undergoing reconstructive surgery. See the full text for protocol related details and the data is shown in FIGURE 7A.

Henke A, Grace OC, Ashley GR et al. Stromal expression of decorin, Semaphorin6D, SPARC, Sprouty1 and Tsukushi in developing prostate and decreased levels of decorin in prostate cancer. PLoS One 2012-01-01 [PMID: 22880013]

Edlund K, Lindskog C, Saito A et al. CD99 is a novel prognostic stromal marker in non-small cell lung cancer. Int J Cancer 2012-11-15 [PMID: 22392539]

Cawthorn TR, Moreno JC, Dharsee M et al. Proteomic Analyses Reveal High Expression of Decorin and Endoplasmin (HSP90B1) Are Associated with Breast Cancer Metastasis and Decreased Survival. PLoS One 2012-01-01 [PMID: 22363530]





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 NBP1-84970

| | |
|---------------|---|
| NBP1-84970PEP | Decorin 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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