

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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Publications: 7

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Updated 12/2/2025 v.20.1

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NBP1-84970

Decorin Antibody - BSA Free

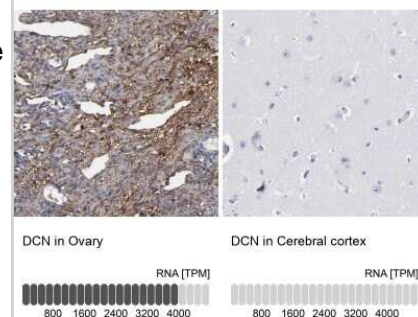
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Decorin Antibody - BSA Free (NBP1-84970) is a polyclonal antibody validated for use in IHC and WB. Anti-Decorin Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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: TNITSIPQGLPPSLTELHLDGNIKISRVDAAASLKGLNNLAKLGLSFNSISAVDNGSL ANTPHLRELHLDNNKLTRVPGGLAEHKYIQVVYLHNNNISVVGSSDFCPPGHNT KKASYSGVSLFSNPVQY

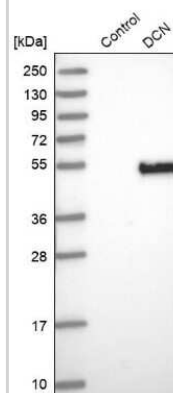
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	WB reported in scientific literature (PMID: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

Images

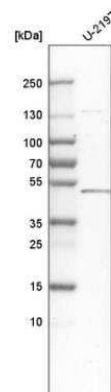
Immunohistochemistry-Paraffin: Decorin Antibody [NBP1-84970] - Staining in human ovary and cerebral cortex tissues using anti-DCN antibody. Corresponding DCN RNA-seq data are presented for the same tissues.



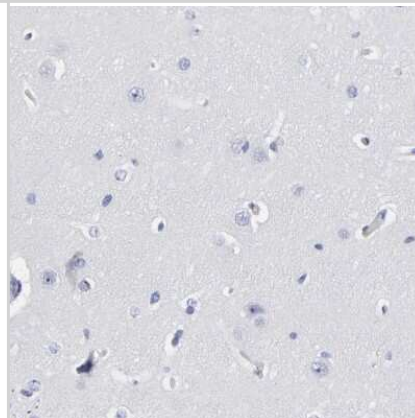
Western Blot: Decorin Antibody [NBP1-84970] - Analysis in control (vector only transfected HEK293T lysate) and DCN over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



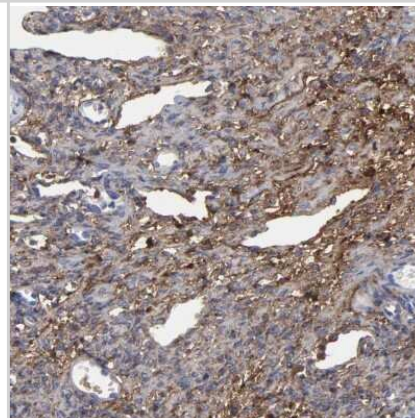
Western Blot: Decorin Antibody [NBP1-84970] - Analysis in human cell line U-2197.



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]

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 Endoplasmic Reticulum Stress (HSP90B1) Are Associated with Breast Cancer Metastasis and Decreased Survival. *PLoS One* 2012-01-01 [PMID: 22363530]





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Products Related to NBP1-84970

NBP1-84970PEP	Decorin Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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