

Product datasheet

Anti-Decorin antibody [DCN/3523] - BSA and Azide free  
ab268168

3 Images

Overview

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<b>Product name</b>	Anti-Decorin antibody [DCN/3523] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [DCN/3523] to Decorin - BSA and Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Protein Array, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human Decorin aa 212-336. The exact sequence is proprietary. Database link: <a href="#">P07585</a>
<b>Positive control</b>	IHC-P: Human prostate and skin tissue.
<b>General notes</b>	ab268168 is the PBS only version of <a href="#">ab268048</a> .

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from Bioreactor concentrate
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	DCN/3523
<b>Isotype</b>	IgG2b
<b>Light chain type</b>	kappa

## Applications

Our [Abpromise guarantee](#) covers the use of **ab268168** in the following tested applications.

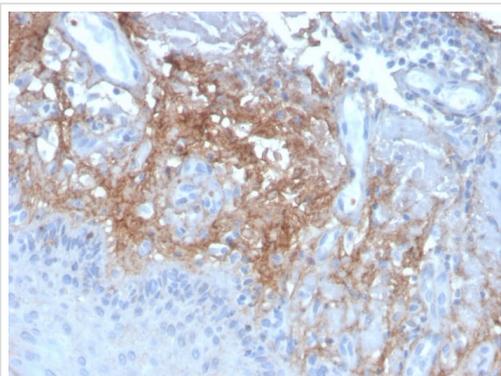
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Protein Array		Use at an assay dependent concentration.
IHC-P		Use a concentration of 1 - 2 µg/ml. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

## Target

<b>Function</b>	May affect the rate of fibrils formation.
<b>Involvement in disease</b>	Defects in DCN are the cause of congenital stromal corneal dystrophy (CSCD) [MIM:610048]. Corneal dystrophies are inherited, bilateral, primary alterations of the cornea that are not associated with prior inflammation or secondary to systemic disease. Most show autosomal dominant inheritance.
<b>Sequence similarities</b>	Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class I subfamily. Contains 12 LRR (leucine-rich) repeats.
<b>Post-translational modifications</b>	The attached glycosaminoglycan chain can be either chondroitin sulfate or dermatan sulfate depending upon the tissue of origin.
<b>Cellular localization</b>	Secreted > extracellular space > extracellular matrix.

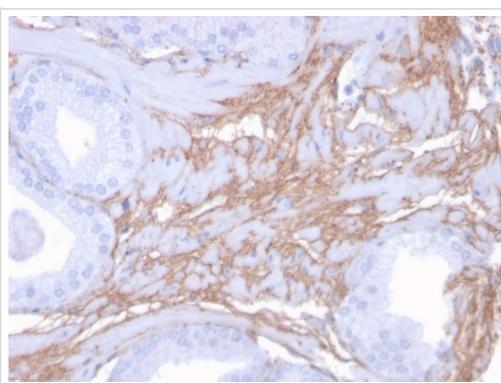
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Decorin antibody [DCN/3523] - BSA and Azide free (ab268168)

Formalin-fixed, paraffin-embedded human skin tissue stained for Decorin using [ab268048](#) at 2 µg/ml for 30 minutes at room temperature in immunohistochemical analysis.

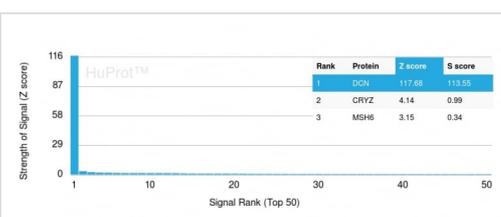
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and Sodium azide ([ab268048](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Decorin antibody [DCN/3523] - BSA and Azide free (ab268168)

Formalin-fixed, paraffin-embedded human prostate tissue stained for Decorin using [ab268048](#) at 2 µg/ml for 30 minutes at room temperature in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and Sodium azide ([ab268048](#))



Protein Array - Anti-Decorin antibody [DCN/3523] - BSA and Azide free (ab268168)

Protein Array containing more than 19,000 full-length human proteins using [ab268048](#). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and Sodium azide ([ab268048](#))

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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