

Datasheet for ABIN2854988

**anti-Decorin antibody**

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## Overview

Quantity:	100 µL
Target:	Decorin (DCN)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Decorin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Decorin. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Rabbit Polyclonal antibody to Decorin (decorin) Decorin antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	Decorin (DCN)
Alternative Name:	decorin ( <a href="#">DCN Products</a> )

## Target Details

**Background:** The protein encoded by this gene is a small cellular or pericellular matrix proteoglycan that is closely related in structure to biglycan protein. The encoded protein and biglycan are thought to be the result of a gene duplication. This protein is a component of connective tissue, binds to type I collagen fibrils, and plays a role in matrix assembly. It contains one attached glycosaminoglycan chain. This protein is capable of suppressing the growth of various tumor cell lines. There are multiple alternatively spliced transcript variants known for this gene. This gene is a candidate gene for Marfan syndrome.

Cellular Localization: Secreted , extracellular space , extracellular matrix

**Molecular Weight:** 40 kDa

**Gene ID:** 1634

**UniProt:** [P07585](#)

**Pathways:** [Glycosaminoglycan Metabolic Process](#)

## Application Details

**Application Notes:** WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

**Comment:** Positive Control: A549 , H1299

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** 1XPBS ( pH 7), 40 % Glycerol, 0.01 % Thimerosal

**Preservative:** Thimerosal (Merthiolate)

**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

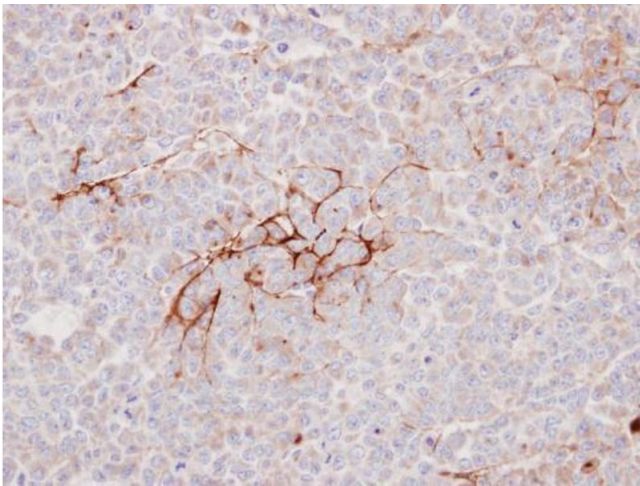
**Storage:** 4 °C, -20 °C

**Storage Comment:** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

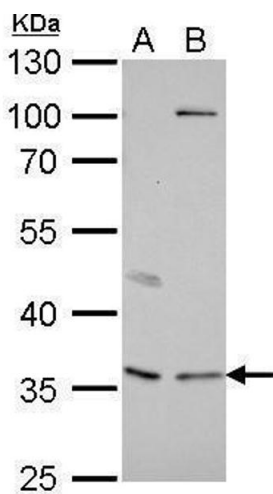
Product cited in: Hinderer, Sudrow, Schneider, Holeiter, Layland, Seifert, Schenke-Layland: "Surface functionalization of electrospun scaffolds using recombinant human decorin attracts circulating endothelial progenitor cells." in: **Scientific reports**, Vol. 8, Issue 1, pp. 110, (2018) ([PubMed](#)).

Images



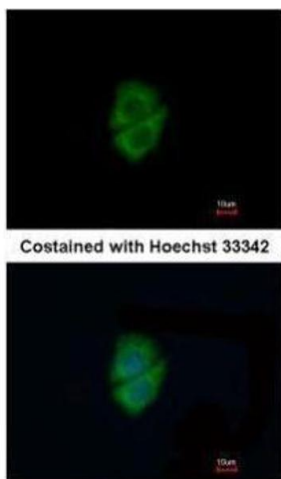
Immunohistochemistry

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded TOV112D xenograft, using Decorin, antibody at 1:100 dilution.



Western Blotting

**Image 2.** WB Image Decorin antibody detects DCN protein by Western blot analysis. A. 30 µg A549 whole cell lysate/extract B. 30 µg H1299 whole cell lysate/extract 10 % SDS-PAGE Decorin antibody , dilution: 1:1000



#### Immunofluorescence

**Image 3.** ICC/IF Image Immunofluorescence analysis of methanol-fixed A549, using Decorin, antibody at 1:200 dilution.