

Datasheet for ABIN3044362

anti-Decorin antibody (C-Term)



[Go to Product page](#)

3 Images

2 Publications

Overview

Quantity:	100 µg
Target:	Decorin (DCN)
Binding Specificity:	AA 343-359, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Decorin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Decorin(DCN) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Decorin(343-359aa TFRCVYVRSAILGLNYK), identical to the related mouse sequence, and different from the related rat sequence by three amino acids.
Sequence:	TFRCVYVRSAILGLNYK
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>

Product Details

Characteristics:	Rabbit IgG polyclonal antibody for Decorin(DCN) detection. Tested with WB in Human,Mouse,Rat. Gene Name: decorin Protein Name: Decorin
------------------	--

Purification:	Immunogen affinity purified.
---------------	------------------------------

Target Details

Target:	Decorin (DCN)
---------	---------------

Alternative Name:	DCN (DCN Products)
-------------------	--------------------------------------

Background:	<p>Decorin is a proteoglycan on average 90-140 kilodaltons(kD) in size. The human decorin gene spans more than 38 kb and contains 8 exons and very large introns, 2 of which are 5.4 and more than 13.2 kb. And the human decorin gene is mapped to 12q21.3. It belongs to the small leucine-rich proteoglycan(SLRP) family and consists of a protein core containing leucine repeats with a glycosaminoglycan(GAG) chain consisting of either chondroitin sulfate(CS) or dermatan sulfate(DS). Decorin is a small cellular or pericellular matrix proteoglycan and is closely related in structure to biglycan protein. Decorin 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. And it also may play a role in epithelial/mesenchymal interactions during organ development and shaping. Decorin has been shown to have anti-tumorigenic properties in an experimental murine tumor model and is capable of suppressing the growth of various tumor cell lines. There are multiple alternatively spliced transcript variants known for the decorin gene. Mutations in the decorin gene are associated with congenital stromal corneal dystrophy.</p>
-------------	---

Synonyms: Bone proteoglycan II antibody|CSCD antibody|DCN antibody|DCN protein antibody|Decorin antibody|Decorin proteoglycan antibody|Dermatan sulphate proteoglycans II antibody|DKFZp686J19238 antibody|DSPG 2 antibody|DSPG2 antibody|PG 40 antibody|PG II antibody|PG S2 antibody|PG-S2 antibody|PG40 antibody|PGII antibody|PGS 2 antibody|PGS2 antibody|PGS2_HUMAN antibody|Proteoglycan core protein antibody|SLRR1B antibody|Small leucine rich protein 1B antibody

UniProt:	P07585
----------	------------------------

Pathways:	Glycosaminoglycan Metabolic Process
-----------	---

Application Details

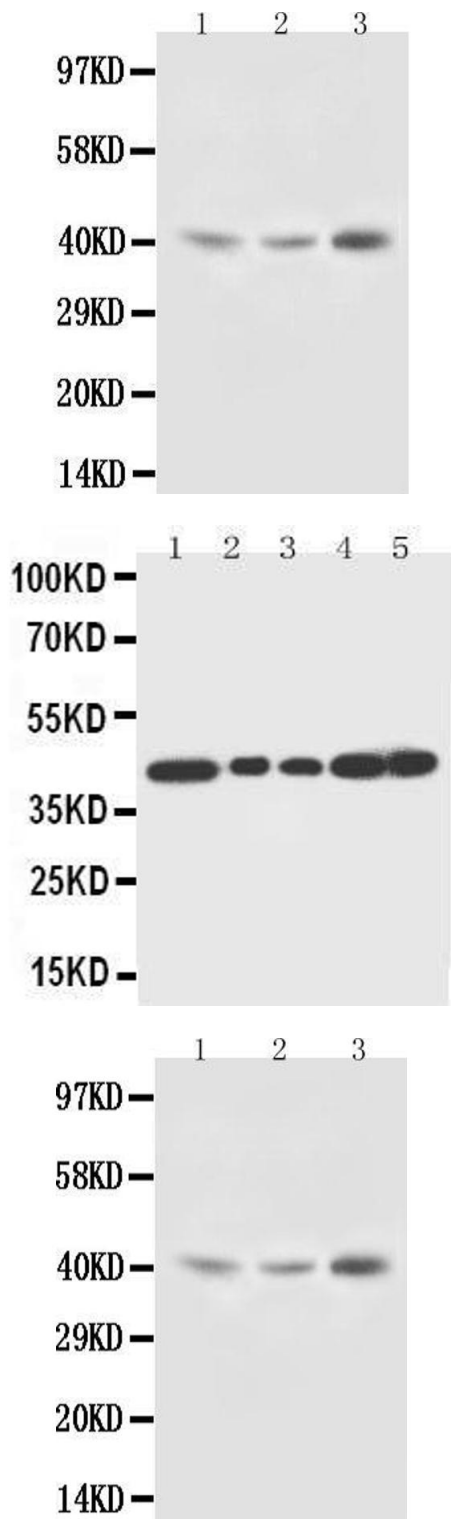
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Publications

Product cited in:	Luchinat, Barbieri, Rubino, Kozyreva, Cantini, Banci: "In-cell NMR reveals potential precursor of toxic species from SOD1 fALS mutants." in: Nature communications , Vol. 5, pp. 5502, (2014) (PubMed).
-------------------	--



Western Blotting

Image 1. Anti-Decorin antibody, Western blotting Lane 1: Rat Liver Tissue Lysate Lane 2: Rat Kidney Tissue Lysate Lane 3: SMMC Cell Lysate

Western Blotting

Image 2. Anti-Decorin antibody, Western blotting Lane 1: Rat Liver Tissue Lysate Lane 2: Rat Lung Tissue Lysate Lane 3: Rat Spleen Tissue Lysate Lane 4: SMMC Cell Lysate Lane 5: SMMC Cell Lysate

Western Blotting

Image 3. Anti-Decorin antibody, Western blotting Lane 1: Rat Liver Tissue Lysate Lane 2: Rat Kidney Tissue Lysate Lane 3: SMMC Cell Lysate