



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## DCN monoclonal antibody (M01), clone 3H4-1F4

Catalog # : H00001634-M01

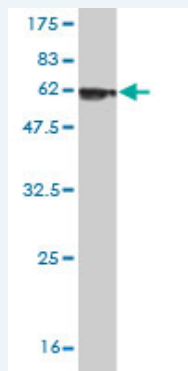
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a full length recombinant DCN.
<b>Immunogen:</b>	DCN (AAH05322, 1 a.a. ~ 359 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MKATIILLLLAQVSWAGPFQQRGLFDFMLEDEASGIGPEVPDDRDFEPS LGPVCPFRQCCHLRVVCSDLGLDKVPKDLPPDTLLDLQNNKITEIKDG DFKNLKNLHALILVNNKISKVSPGAFTPLVKLERLYLSKNQLKELPEKMPKT LQELRAHENEITKVRKVTFNGLNQMIVIELGTNPLKSSGIENGAFQGMKKL SYIRIADTNTSIPQGLPPSLTELHLDGNKISRVAASLKGLNLLAKLGLSFN SISAVDNGSLANTPHLRELHLDNNKLTRVPGGLAEHKYIQVVYLHNNNISV VGSSDFCPPGHNTKKASYSGVSLFSNPVQYWEIQPSTFRVCVYVRSIQIQL GNYK
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2b Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (65.23 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

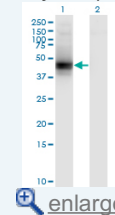
### Publication Reference

1. Smoking is associated with lower amounts of arterial type I collagen and decorin. Faarvang AS, Rordam Preil SA, Nielsen PS, Beck HC, Kristensen LP, Rasmussen LM. *Atherosclerosis*. 2016 Feb;247:201-6.

### Applications

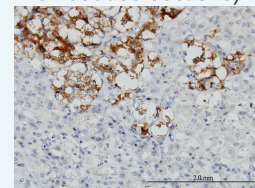
### Application Image

Western Blot (Transfected lysate)

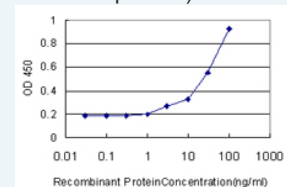


Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

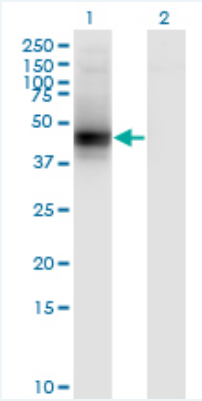


Sandwich ELISA (Recombinant protein)



ELISA

### Western Blot (Transfected lysate)



Western Blot analysis of DCN expression in transfected 293T cell line by DCN monoclonal antibody (M01), clone 3H4-1F4.

Lane 1: DCN transfected lysate (Predicted MW: 39.7 KDa).

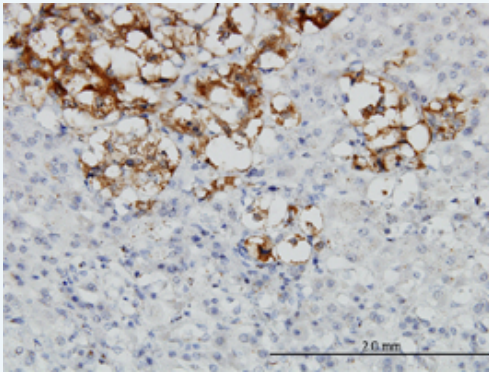
Lane 2: Non-transfected lysate.

[Protocol Download](#)

### Western Blot (Recombinant protein)

[Protocol Download](#)

### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

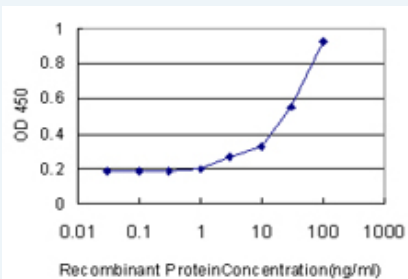


[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to DCN on formalin-fixed paraffin-embedded human adrenal gland. [antibody concentration 3 ug/ml]

[Protocol Download](#)

### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged DCN is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

### ELISA

### Gene Information

Entrez GeneID: [1634](#)

GeneBank [BC005322](#)

Accession#:

Protein [AAH05322](#)

**Accession#:****Gene Name:** DCN**Gene Alias:** CSCD,DSPG2,PG40,PGII,PGS2,SLRR1B**Gene** decorin**Description:****Omim ID:** [125255](#), [610048](#)**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** 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. [provided by RefSeq]

**Other Designations:** bone proteoglycan II,decorin proteoglycan,dermatan sulphate proteoglycans II,proteoglycan core protein,small leucine-rich protein 1B

**Gene Pathway**[TGF-beta signaling pathway](#)**Related Disease**

[Breast cancer](#) [Breast Neoplasms](#) [Cardiovascular Diseases](#) [Diabetes Mellitus, Type 1](#) [Diabetes Mellitus, Type 2](#) [Diabetic Nephropathies](#) [Disease Progression](#) [Edema](#) [Genetic Predisposition to Disease](#) [Myopia](#) [Myopia, Degenerative](#) [Ovarian Neoplasms](#) [Proteinuria](#)

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