

DCN Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1842a**Specification****DCN Antibody - Product Information**

Application	WB, E
Primary Accession	P07585
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	39.7kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human DCN (AA: 263-324) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

DCN Antibody - Additional Information

Gene ID 1634

Other Names

Decorin, Bone proteoglycan II, PG-S2, PG40, DCN, SLRR1B

Dilution

WB~~1/500 - 1/2000

E~~1/10000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DCN Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DCN Antibody - Protein Information

Name DCN

Synonyms SLRR1B

Function

May affect the rate of fibrils formation.

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted

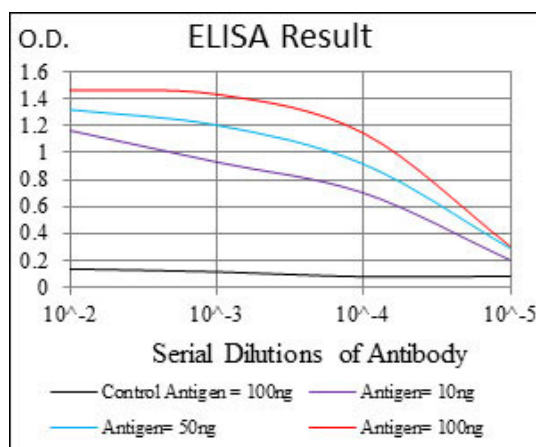
Tissue Location

Detected in placenta (at protein level) (PubMed:32337544). Detected in cerebrospinal fluid, fibroblasts and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717).

DCN Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



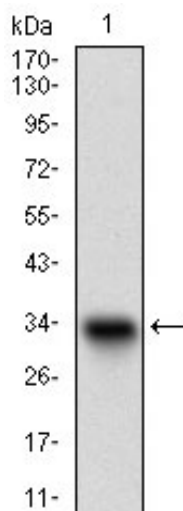


Figure 1: Western blot analysis using DCN mAb against human DCN recombinant protein. (Expected MW is 32.5 kDa)

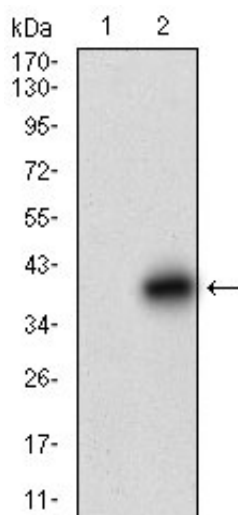


Figure 2: Western blot analysis using DCN mAb against HEK293 (1) and DCN (AA: 263-324)-hIgGFc transfected HEK293 (2) cell lysate.

DCN Antibody - Background

DNA (cytosine-5-)-methyltransferase 1 has a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Aberrant methylation patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding different isoforms have been found for this gene. ; ;

DCN Antibody - References

1. PLoS One. 2012;7(9):e45559.
2. Hum Reprod. 2012 Nov;27(11):3249-58.