

Rabbit DCN Polyclonal Antibody | anti-DCN antibody

DCN Antibody (Center)

CATALOG # AAA287529	HOST Rabbit	REACTIVITY Human, Mouse (Predicted: Bovine, Pig, Sheep)	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

DCN; Polyclonal Antibody; DCN Antibody (Center); Decorin; Bone proteoglycan II; PG-S2; PG40; SLRR1B; anti-DCN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse (Predicted: Bovine, Pig, Sheep)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This DCN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-150 amino acids from the Central region of human DCN.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	122-150
Sequence Length	75
Applicable Applications for anti-DCN antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	May affect the rate of fibrils formation.
Cellular Location	Secreted, extracellular space, extra cellular matrix
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

DCN Antibody (Center) (AAA287529) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

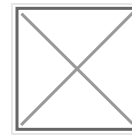


IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human hepatocarcinoma with DCN Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

**WB (Western Blot)**

Western blot analysis of DCN (arrow) using rabbit polyclonal DCN Antibody (Center) (AAA287529). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DCN gene.

**WB (Western Blot)**

Western blot analysis of DCN antibody (Center) (AAA287529) in mouse heart tissue lysates (35ug/lane). DCN (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-DCN antibody	DCN is a small cellular or pericellular matrix proteoglycan that is closely related in structure to biglycan protein. The 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.
Product Categories/Family for anti-DCN antibody	Signal Transduction
References	Goldoni,S., J. Cell Biol. 185 (4), 743-754 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503271
NCBI GeneID	1634
NCBI Accession #	NP_001911.1 ; NP_598010.1 ; NP_598011.1 ; NP_598012.1 ; NP_598013.1 ; NP_598014.1
NCBI GenBank Nucleotide #	NM_001920.3
UniProt Accession #	P07585 ; Q9P0Z0 ; Q9P0Z1 ; Q9Y5N8 ; Q9Y5N9
NCBI Official Full Name	decorin isoform a preproprotein
NCBI Official Synonym Full Names	decorin
NCBI Official Symbol	DCN
NCBI Official Synonym Symbols	CSCD; PG40; PGII; PGS2; DSPG2; SLRR1B
NCBI Protein Information	decorin
UniProt Protein Name	Decorin
UniProt Gene Name	DCN
UniProt Synonym Gene Names	SLRR1B
UniProt Entry Name	PGS2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dcn-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287529>