

Decorin Polyclonal Antibody

Catalog NumberPA5-13538

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Human, Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	Dilution *1:10-1:50
Immunogen	KLH conjugated synthetic peptide between 122-150 amino acids from the central region of human DCN	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50
Conjugate	Unconjugated	Western Blot (WB)	1:1,000
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	2 mg/mL		
Purification	Size-exclusion - Dialysis, Ammonium sulfate precipitation		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine and porcine based on sequence homology.

Background/Target Information

Decorin is a member of the small, leucine-rich proteoglycan (SLRP) family along with biglycan. Found in the interterritorial region of cartilage, decorin interacts with collagen and other matrix proteins to regulate the cartilaginous matrix. It has been shown to interact with fibronectin, thrombospondin, C1q, epidermal growth factor receptor (EGFR), and TGF- $\beta$ . It is believed that decorin also plays a role in the cell cycle of chondrocytes. The decorin neoepitope fragment has a sequence of PKTLQE, and is generated by MMP-3 or ADAMTS-4 cleavage at Glu154-Leu155 of decorin core protein.

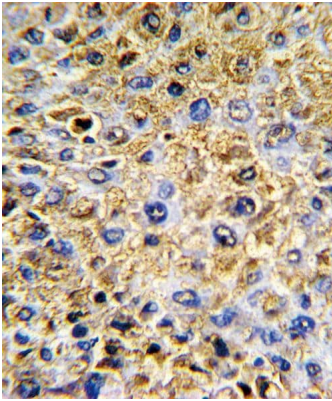
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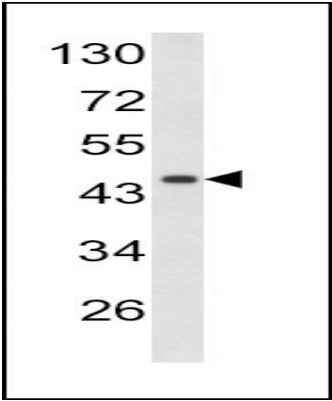
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Product Images For Decorin Polyclonal Antibody



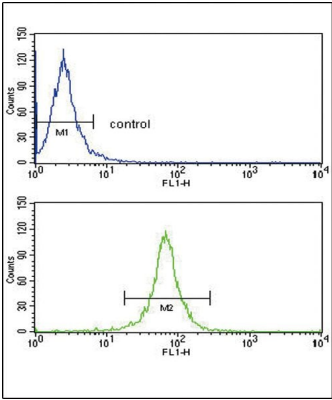
Decorin Antibody (PA5-13538) in IHC (P)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human hepatocarcinoma tissue using a DCN polyclonal antibody (Product # PA5-13538), followed by HRP-conjugated secondary antibody and DAB staining.



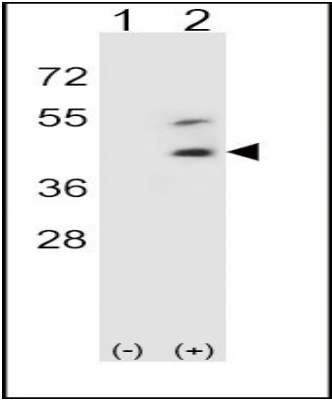
Decorin Antibody (PA5-13538) in WB

Western blot analysis using a DCN polyclonal antibody (Product # PA5-13538) in mouse heart tissue lysates (35 µg per lane).



Decorin Antibody (PA5-13538) in Flow

Flow cytometry analysis of HepG2 cells using a DCN polyclonal antibody (Product # PA5-13538) (bottom) compared to a negative control cell (top) at a dilution of 1:10-50, followed by a FITC-conjugated goat anti-rabbit antibody



Decorin Antibody (PA5-13538) in WB

Western blot analysis of DCN (arrow) using a DCN polyclonal antibody (Product # PA5-13538) in 293 cell lysates (2 µg /lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DCN gene.

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