

For Research Use Only

# Decorin Monoclonal antibody

Catalog Number: 66847-1-Ig **1 Publications**



## Basic Information

Catalog Number: 66847-1-Ig	GenBank Accession Number: BC005322	Purification Method: Protein A purification
Size: 150ul , Concentration: 1400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1634	CloneNo.: 3A4E4
Source: Mouse	UNIPROT ID: P07585	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: decorin	
Immunogen Catalog Number: AG6275	Calculated MW: 359 aa, 40 kDa	
	Observed MW: 40 kDa, 100 kDa	

## Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : pig cartilage tissue, IF/ICC : BxPC-3 cells,
Cited Applications: WB	
Species Specificity: human, pig	
Cited Species: rabbit	

## Background Information

Decorin is a member of the small leucine-rich proteoglycan family of proteins. Decorin interacts with type I collagen fibrils, thereby influencing the kinetics of fibril formation and the distance between adjacent collagen fibrils. Binding of this protein to multiple cell surface receptors mediates its role in tumor suppression, including a stimulatory effect on autophagy and inflammation and an inhibitory effect on angiogenesis and tumorigenesis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiali Li	39755296	Int J Biol Macromol	WB

## Storage

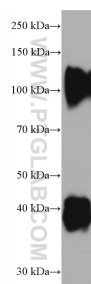
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

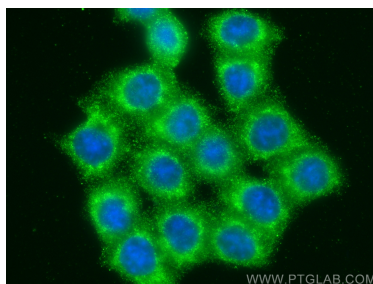
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



pig cartilage tissue were subjected to SDS PAGE followed by western blot with 66847-1-Ig (Decorin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed BxPC-3 cells using Decorin antibody (66847-1-Ig, Clone: 3A4E4 ) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).