

Decorin Polyclonal antibody

Catalog Number: 14667-1-AP

Featured Product

22 Publications

Basic Information

Catalog Number:

14667-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6328

GenBank Accession Number:

BC005322

GeneID (NCBI):

1634

UNIPROT ID:

P07585

Full Name:

decorin

Calculated MW:

359 aa, 40 kDa

Observed MW:

70 kDa, 45-48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:1000-1:4000

IF 1:50-1:500

Applications

Tested Applications:

WB, IF, ICC, IF-P, IHC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat, zebrafish

Cited Species:

human, rat, mouse, hamster

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse heart tissue, MCF-7 cells, BxPC-3 cells, mouse colon tissue, rat heart tissue, NIH/3T3 cells

IHC : human skin cancer tissue, human breast cancer tissue, human breast hyperplasia tissue, human colon cancer tissue

IF : zebrafish retina, BxPC-3 cells, mouse liver tissue

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. The 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. Decorin (~40 kDa) also binds glycosaminoglycan chains to form big molecules.

Notable Publications

Author	Pubmed ID	Journal	Application
Shun-Yuan Li	31545482	Int J Mol Med	WB
Zunzhe Wang	34514716	J Cell Mol Med	IHC
Mengying Wang	31478096	Glycoconj J	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

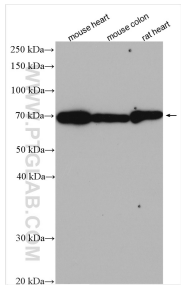
For technical support and original validation data for this product please contact:

T: 4006900926

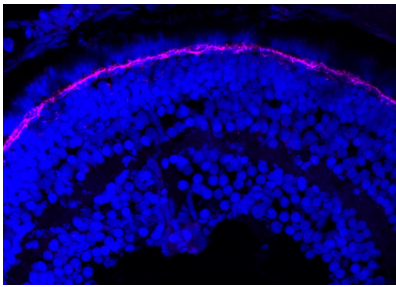
E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

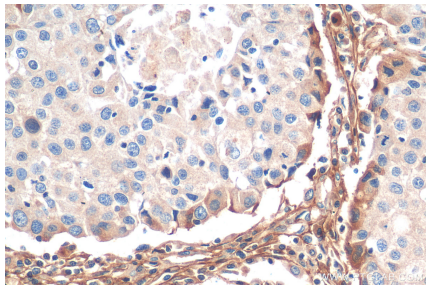
Selected Validation Data



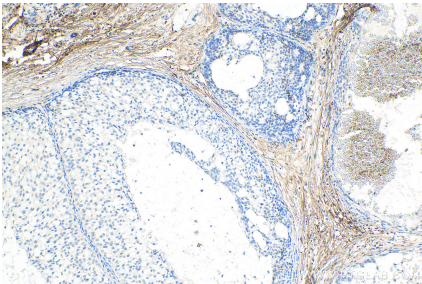
Various lysates were subjected to SDS PAGE followed by western blot with 14667-1-AP (Decorin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



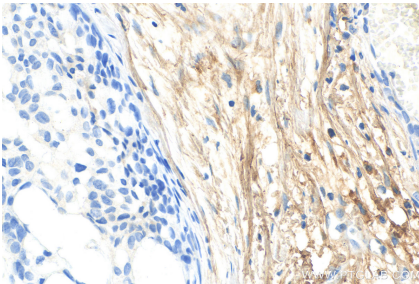
Immunofluorescence analysis of Decorin polyclonal antibody (14667-1-AP, magenta) staining on tissue sections of the zebrafish retina at 4 days post fertilisation (dpf). Dilution 1:200. Tissue fixed overnight in 4% PFA. DAPI, blue. Data generated by Natalia Jaroszynska in Professor Ryan MacDonald's lab, University College London, UK



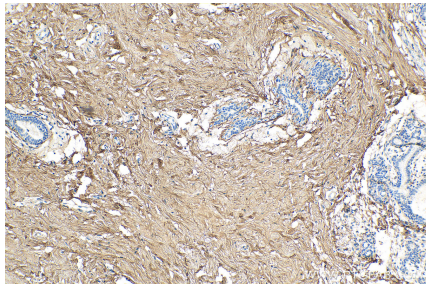
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14667-1-AP (Decorin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



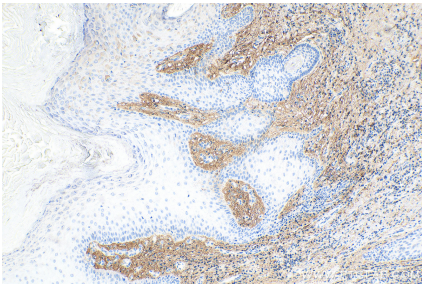
Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 14667-1-AP (Decorin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



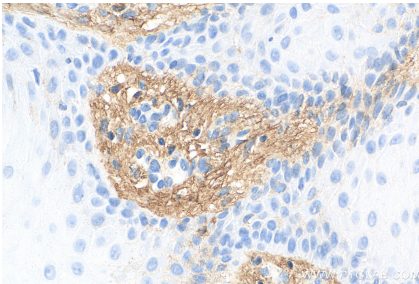
Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 14667-1-AP (Decorin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



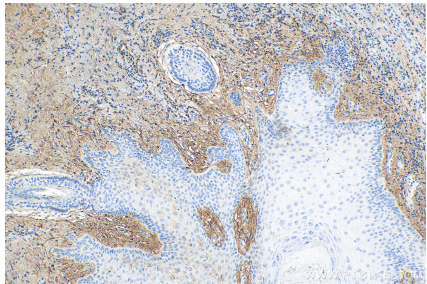
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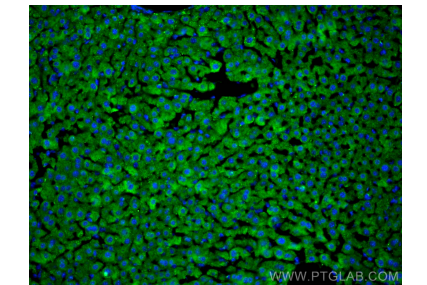
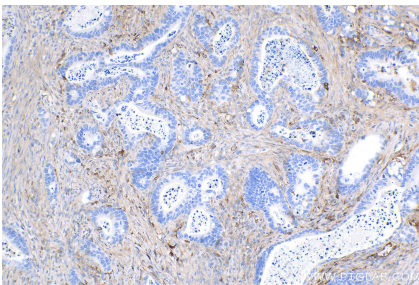
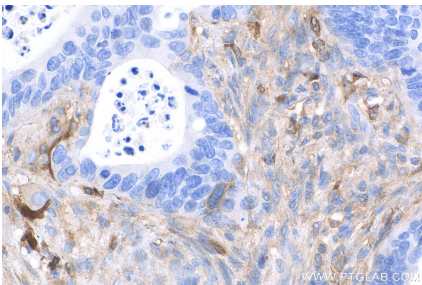
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 14667-1-AP (Decorin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



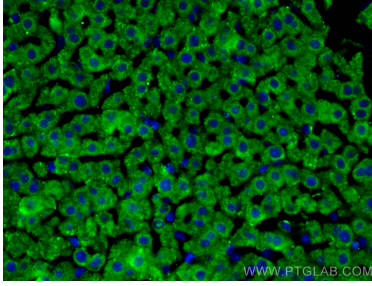
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 14667-1-AP (Decorin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 14667-1-AP (Decorin antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14667-1-AP (Decorin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Decorin antibody (14667-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14667-1-AP (Decorin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Decorin antibody (14667-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).