Product Datasheet

DCN Antibody

Catalog No: #32376

Package Size: #32376-1 50ul #32376-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

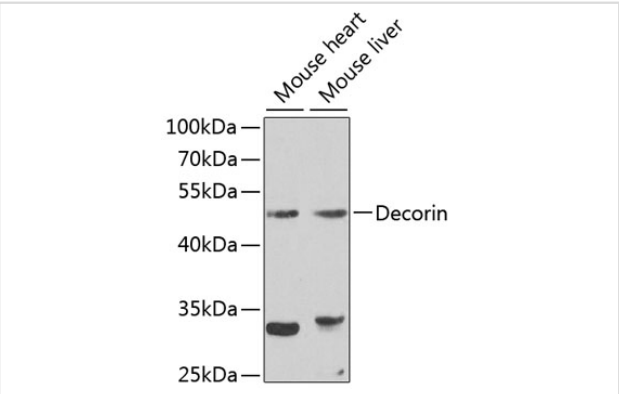
Description

Product Name	DCN Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total DCN protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human DCN.
Conjugates	Unconjugated
Target Name	DCN
Other Names	CSCD; DSPG2; PG40; PGII; PGS2
Accession No.	Swiss-Prot:P07585NCBI Gene ID:1634
SDS-PAGE MW	30KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

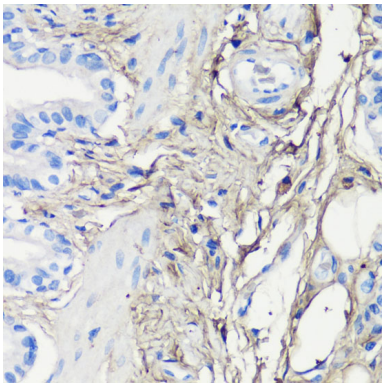
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

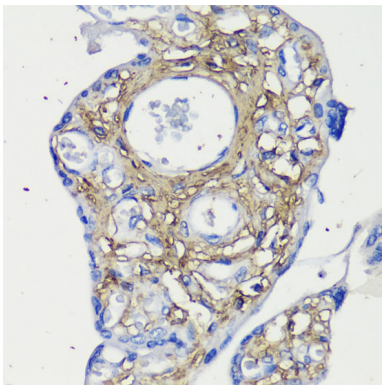
Images



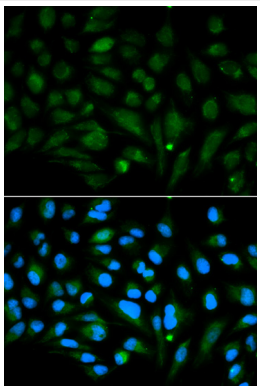
Western blot analysis of extracts of various cell lines, using Decorin at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat lung using Decorin at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human placenta using Decorin at dilution of 1:200 (40x lens).



Immunofluorescence analysis of MCF-7 cells using Decorin . Blue: DAPI for nuclear staining.

Background

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.

Published Papers

el at., Functional heterogeneity of cancer-associatedfibroblasts with distinct neoadjuvantimmunotherapy plus chemotherapy responsein esophageal squamous cell carcinoma. In Biomark Res on 2024 Sep 27 by Jun Jiang, Chao Xu,et al..PMID:39334513, , (2024)

PMID:39334513

Note: This product is for in vitro research use only and is not intended for use in humans or animals.