

DCN Polyclonal Antibody

Catalog No: #29199



Package Size: #29199-1 50ul #29199-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

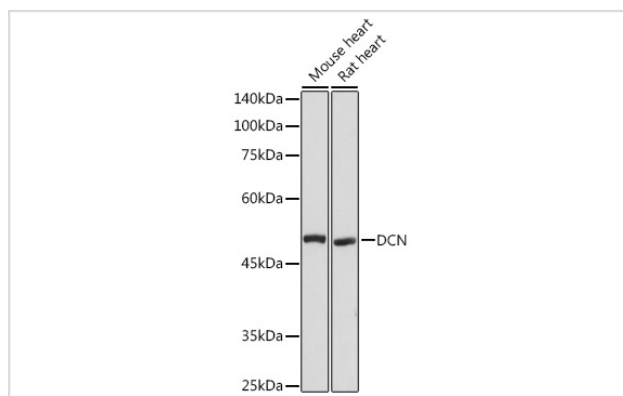
Description

Product Name	DCN Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human DCN (NP_598010.1).
Conjugates	Unconjugated
Other Names	DCN;CSCD;DSPG2;PG40;PGII;PGS2;SLRR1B;decorin;Decorin
Accession No.	Uniprot:P07585GenelD:1634
Calculated MW	8kDa/19kDa/23kDa/27kDa/39kDa
SDS-PAGE MW	45KDa/48KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

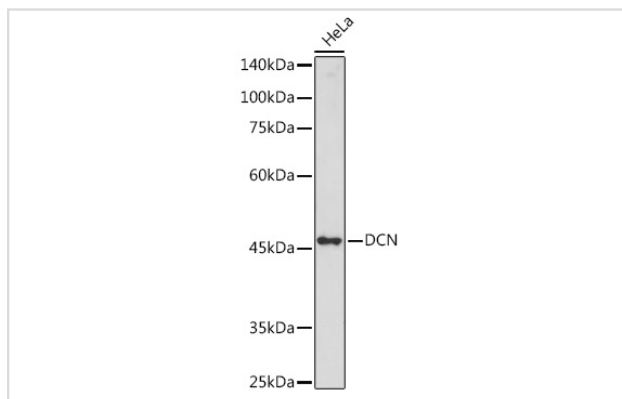
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:100

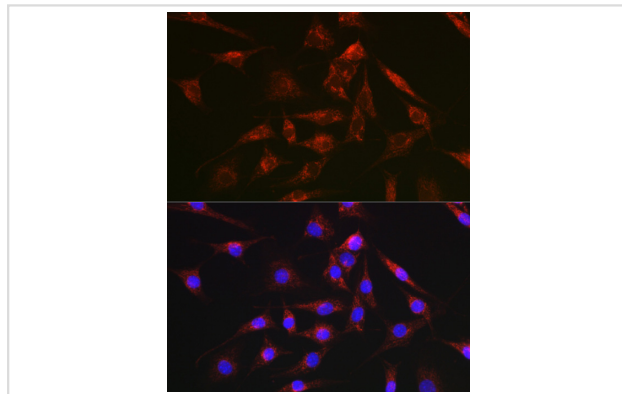
Images



Western blot analysis of extracts of various cell lines, using DCN antibody.



Western blot analysis of extracts of HeLa cells, using DCN antibody.



Immunofluorescence analysis of NIH-3T3 cells using DCN Rabbit pAb.

Background

This gene encodes a member of the small leucine-rich proteoglycan family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. This protein plays a role in collagen fibril assembly. 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. This gene and the related gene biglycan are thought to be the result of a gene duplication. Mutations in this gene are associated with congenital stromal corneal dystrophy in human patients.

Published Papers

el at., Decorin: a potential therapeutic candidate for ligamentum flavum hypertrophy by antagonizing TGF- β 1 InExp Mol Med On2023 Jul by Shanxi Wang 1, Yunkun Qu 1, et al.. PMID: 37394592, , (2023)

[PMID:37394592](#)

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