

Product datasheet for TA375351

Decorin (DCN) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ICC/IF, IHC, WB

Recommended Dilution: WB,1:500 - 1:2000

IF,1:50 - 1:100

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 31-359 of

human DCN (NP_598010.1).

Formulation: Buffer: PBS with 0.05% proclin300, 50% glycerol,pH7.3

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

Store at -20°C. Avoid freeze / thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 8kDa/19kDa/23kDa/27kDa/39kDa

Gene Name: decorin

Database Link: Entrez Gene 1634 Human

P07585

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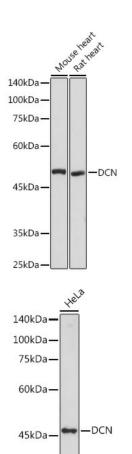
Background:

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.

Synonyms:

CSCD; decorin; DSPG2; PG-S2; PG40; PGII; PGS2; SLRR1B

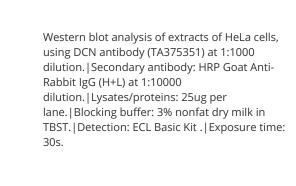
Product images:



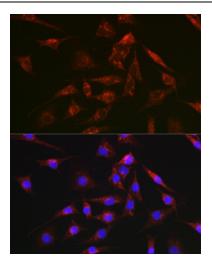
35kDa-

25kDa

Western blot analysis of extracts of various cell lines, using DCN antibody (TA375351) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 3s.







Immunofluorescence analysis of NIH-3T3 cells using DCN Rabbit pAb (TA375351) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.