

## 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<br>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   |
| Storage:                | 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:          | <a href="#">Entrez Gene 1634 Human P07585</a>  |



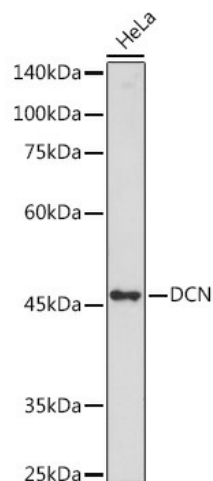
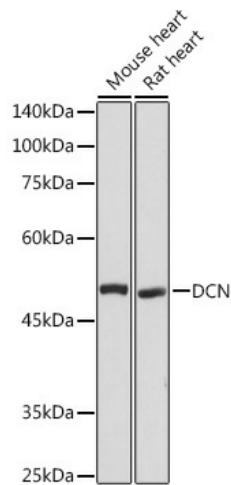
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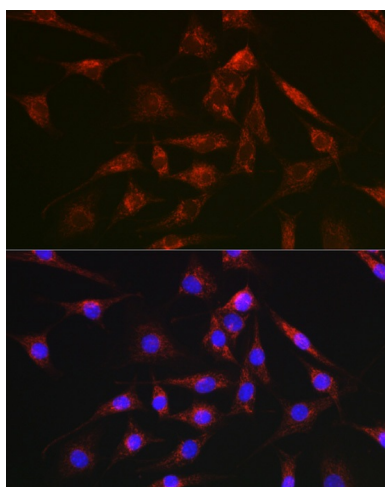
**Background:**

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; PGI; PGS2; SLRR1B

**Product images:**




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