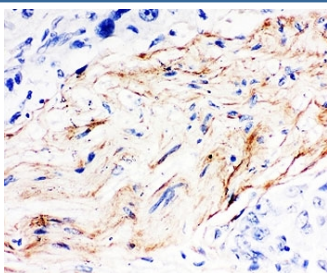


## Decorin Antibody (R31589)

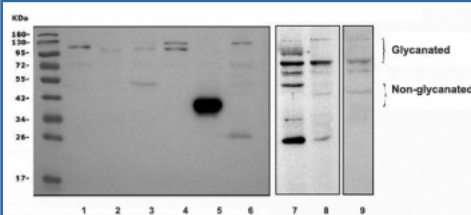
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R31589      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human, Mouse, Rat   |
| <b>Format</b>             | Antigen affinity purified   |
| <b>Clonality</b>          | Polyclonal (rabbit origin)  |
| <b>Isotype</b>            | Rabbit IgG  |
| <b>Purity</b>             | Antigen affinity  |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                             |
| <b>Gene ID</b>            | 1634  |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 0.5-1ug/ml |
| <b>Limitations</b>        | This Decorin antibody is available for research use only.             |



IHC-P: Decorin antibody testing of human breast cancer tissue. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Western blot testing testing of human 1) MCF-7, 2) HeLa, 3) HepG2, 4) SW620, 5) rat liver, 6) rat RH35, 7) rat PC-12, 8) rat C6 and 9) mouse thymus lysate with Decorin antibody. Predicted molecular weight ~40 kDa (non-glycanated), 90-140 kDa (glycanated).

## Description

Decorin is a protein that in humans is encoded by the DCN gene. This gene is mapped to 12q21.3. It belongs to the small leucine-rich proteoglycan (SLRP) family and consists of a protein core containing leucine repeats with a glycosaminoglycan (GAG) chain consisting of either chondroitin sulfate (CS) or dermatan sulfate (DS). Decorin is a small cellular or pericellular matrix proteoglycan and is closely related in structure to Biglycan protein. This protein is a component of connective tissue, binds to type I collagen fibrils, and plays a role in matrix assembly. And it also may play a role in epithelial/mesenchymal interactions during organ development and shaping. Decorin has been shown to have anti-tumorigenic properties in an experimental murine tumor model and is capable of suppressing the growth of various tumor cell lines.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Decorin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 31-359) was used as the immunogen for this Decorin antibody.

## Storage

After reconstitution, the Decorin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.