

**Decorin Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10487****Specification**

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**Decorin Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P07585</a>
Other Accession	<a href="#">AAA52301.1</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39747

**Decorin Antibody - Additional Information****Gene ID** 1634

Positive Control	<b>Western Blot:</b> Jurkat cell lysate. <b>IHC:</b> skin tissue
Application & Usage	<b>Western blotting (0.5-4 µg/ml) and Immunohistochemistry (5 µg/ml).</b> However, the optimal conditions should be determined individually. Other applications have not been determined. The antibody detects ~32 kDa Decorin in samples from human origin. Jurkat cell lysate can be used as a positive control. Cross-reactivity to mouse, rat, pig and rabbit is expected due to sequence homology.

**Other Names**

DCN , 125255 , P07585 , DSPG2 , PG40 , PGII , PGS2 , SLRR1B

**Target/Specificity**

Decorin

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti-Decorin polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 25% glycerol, 0.5% BSA, and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Decorin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Decorin Antibody - Protein Information**

**Name** DCN

**Synonyms** SLRR1B

**Function**

May affect the rate of fibrils formation.

**Cellular Location**

Secreted, extracellular space, extracellular matrix. Secreted

**Tissue Location**

Detected in placenta (at protein level) (PubMed:32337544). Detected in cerebrospinal fluid, fibroblasts and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717).

**Decorin Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Decorin Antibody - Images****Decorin Antibody - Background**

Decorin is a member of the small, leucine-rich proteoglycan (SLRP) family along with biglycan. Found in the interterritorial region of cartilage, decorin interacts with collagen and other matrix proteins to regulate the cartilaginous matrix. It has been shown to interact with fibronectin, thrombospondin, C1q, epidermal growth factor receptor (EGFR), and TGF- $\beta$ . It is believed that decorin also plays a role in the cell cycle of chondrocytes.