

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

Decorin Antibody - Product Information

Application	WB, IHC
Primary Accession	P07585
Other Accession	AAA52301.1
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	Western Blot: Jurkat cell lysate. IHC: skin tissue
Application & Usage	Western blotting (0.5-4 µg/ml) and Immunohistochemistry (5 µg/ml). 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- β . It is believed that decorin also plays a role in the cell cycle of chondrocytes.