

Goat Anti-Decorin Antibody
Peptide-affinity purified goat antibody
Catalog # AF1313a**Specification**

Goat Anti-Decorin Antibody - Product Information

| | |
|-------------------|--|
| Application | WB, E |
| Primary Accession | P07585 |
| Other Accession | NP_598012 , 1634 |
| Reactivity | Human |
| Predicted | Pig, Guinea Pig |
| Host | Goat |
| Clonality | Polyclonal |
| Concentration | 100ug/200ul |
| Isotype | IgG |
| Calculated MW | 39747 |

Goat Anti-Decorin Antibody - Additional Information**Gene ID** 1634**Other Names**

Decorin, Bone proteoglycan II, PG-S2, PG40, DCN, SLRR1B

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

Goat Anti-Decorin Antibody - Protein Information**Name** DCN**Synonyms** SLRR1B**Function**

May affect the rate of fibrils formation.

Cellular Location

Secreted, extracellular space, extracellular matrix. Secreted

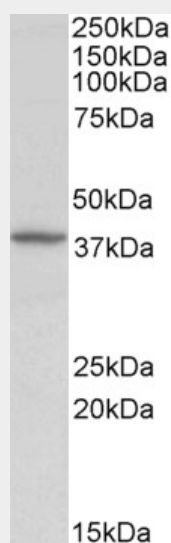
Tissue Location

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

Goat Anti-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](#)

Goat Anti-Decorin Antibody - Images

AF1313a (0.5 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Decorin Antibody - Background

The protein encoded by this gene is a small cellular or pericellular matrix proteoglycan that is closely related in structure to biglycan protein. The encoded protein and biglycan are thought to be the result of a gene duplication. This protein is a component of connective tissue, binds to type I collagen fibrils, and plays a role in matrix assembly. It contains one attached glycosaminoglycan chain. This protein is capable of suppressing the growth of various tumor cell lines. There are multiple alternatively spliced transcript variants known for this gene. This gene is a candidate gene for Marfan syndrome.

Goat Anti-Decorin Antibody - References

Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Decorin expression is decreased in human idiopathic fetal growth restriction. Swan BC, et al. Reprod Fertil Dev, 2010. PMID 20591329.

Decorin transfection suppresses profibrogenic genes and myofibroblast formation in human corneal fibroblasts. Mohan RR, et al. Exp Eye Res, 2010 Aug. PMID 20546727.

Candidate gene study to investigate the genetic determinants of normal variation in central corneal thickness. Dimasi DP, et al. Mol Vis, 2010 Mar 31. PMID 20360993.