

Product datasheet for **BP801**

Decorin (DCN) (316-329) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot (against Bovine Decorin, other batches have given a band at 90-100 kD, representative of full-length, glycanated decorin; this batch has not been fully evaluated in this technique).
Reactivity:	Bovine, Chicken, Human
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to the C-terminal sequence of Human Decorin conjugated to Keyhole Limpet Haemocyanin.
Specificity:	This antibody detects Decorin. It recognizes the C-terminal region of Human bone proteoglycan II. Mutations in the Decorin gene are associated with congenital stromal dystrophy (Bredrup et al., 2005). Decorin is involved in autophagy of endothelial cells (Buraschi et al., 2013).
Formulation:	PBS, pH 7.2 State: Purified State: Liquid Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	decorin
Database Link:	Entrez Gene 1634 Human P07585



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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.

Synonyms:

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