

Decorin Polyclonal Antibody

CATALOG NO: 3645A-30T 30 µg (Trial size)
 3645A-100 100 µg

AMOUNT: 100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 130 of human Decorin (Internal IN# BV-B46)

FORMULATION:
 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.

SPECIES REACTIVITY: Human (mouse, rat, pig, rabbit)

STORAGE CONDITIONS:
 Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

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.

SPECIFICITY:
 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.

APPLICATION AND USAGE:
 The antibody can be used for 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.

RELATED PRODUCTS:

- Decorin Antibody (**Cat. No. 3645R-100**)
- Decorin Blocking Peptide (**Cat. No. 3645BP-100**)

