



# Anti-DCN polyclonal antibody [Biotin] (DPABY-477)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Decorin is a small secreted chondroitin/dermatan sulfate proteoglycan within the family of small leucine-rich proteoglycans (SLRPs). Decorin has been implicated in matrix assembly and may suppress the growth of various tumor cell lines by inhibiting the epidermal growth factor receptor.
<b>Specificity</b>	Detects mouse Decorin in ELISAs and Western blots. In sandwich immunoassays, less than 0.05% cross-reactivity with recombinant human Decorin is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Decorin. Gly17-Lys354 Accession Number P28654
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, Immunohistochemistry, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None

<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Dcn decorin [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	DCN
<b>Synonyms</b>	DCN; decorin; DC; PG40; PGII; PGS2; mDcn; DSPG2; SLRR1B; bone proteoglycan II;
<b>Entrez Gene ID</b>	<a href="#">13179</a>
<b>Protein Refseq</b>	<a href="#">NP_001177380</a>
<b>UniProt ID</b>	<a href="#">P28654</a>
<b>Chromosome Location</b>	10 C3; 10 50.27 cM
<b>Pathway</b>	A tetrasaccharide linker sequence is required for GAG synthesis; CS/DS degradation; Chondroitin sulfate biosynthesis; Chondroitin sulfate/dermatan sulfate metabolism; Degradation of the extracellular matrix; Dermatan sulfate biosynthesis; Disease; ECM pro
<b>Function</b>	collagen binding; extracellular matrix binding; glycosaminoglycan binding; poly(A) RNA binding; protein N-terminus binding;