

ARG43298 anti-Decorin antibody [DCN/3523]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [DCN/3523] recognizes Decorin
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	DCN/3523
Isotype	IgG2b, kappa
Target Name	Decorin
Species	Human
Immunogen	Recombinant partial protein corresponding to aa. 212-336 of Human Decorin.
Conjugation	Un-conjugated
Alternate Names	Bone proteoglycan II; PG40; PGII; CSCD; SLRR1B; PGS2; PG-S2; DSPG2; Decorin

Application Instructions

Application table	Application	Dilution
	IHC-P	1 - 2 µg/ml

Application Note
IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

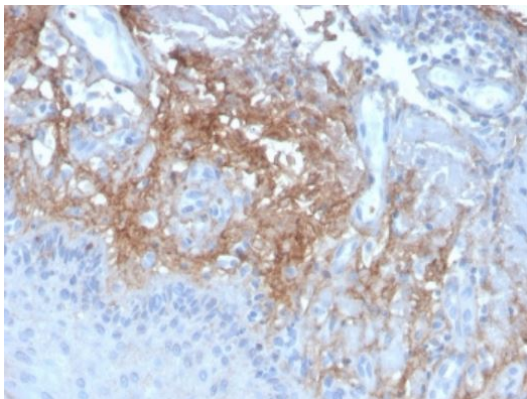
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

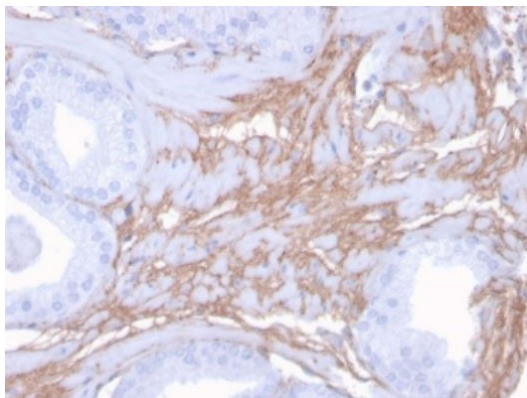
Gene Symbol	DCN
Gene Full Name	decorin
Background	This gene encodes a member of the small leucine-rich proteoglycan family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. This protein plays a role in collagen fibril assembly. Binding of this protein to multiple cell surface receptors mediates its role in tumor suppression, including a stimulatory effect on autophagy and inflammation and an inhibitory effect on angiogenesis and tumorigenesis. This gene and the related gene biglycan are thought to be the result of a gene duplication. Mutations in this gene are associated with congenital stromal corneal dystrophy in human patients. [provided by RefSeq, Nov 2015]
Function	May affect the rate of fibrils formation. [UniProt]
Calculated Mw	40 kDa
PTM	The attached glycosaminoglycan chain can be either chondroitin sulfate or dermatan sulfate depending upon the tissue of origin. [UniProt]
Cellular Localization	Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG43298 anti-Decorin antibody [DCN/3523] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human skin tissue. Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT. The tissue section was stained with ARG43298 anti-Decorin antibody [DCN/3523].



ARG43298 anti-Decorin antibody [DCN/3523] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human prostate tissue. Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT. The tissue section was stained with ARG43298 anti-Decorin antibody [DCN/3523].