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DCN Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant DCN.
Catalog # AT1716a

Product Information

Application	WB, IHC, E
Primary Accession	P07585
Other Accession	BC005322
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3H4-1F4
Calculated MW	39747

Additional Information

Gene ID	1634
Other Names	Decorin, Bone proteoglycan II, PG-S2, PG40, DCN, SLRR1B
Target/Specificity	DCN (AAH05322, 1 a.a. ~ 359 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	DCN Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

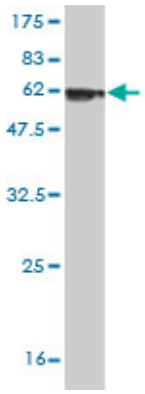
The protein encoded by this gene is a small cellular or pericellular matrix proteoglycan that is closely related in structure to biglycan protein. The encoded protein and biglycan are thought to be the result of a gene duplication. This protein is a component of connective tissue, binds to type I collagen 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.

References

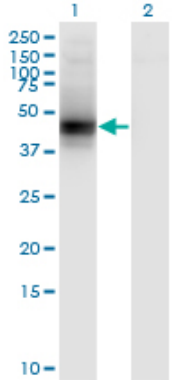
Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous

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 Thiazolinedinedione-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.

Images

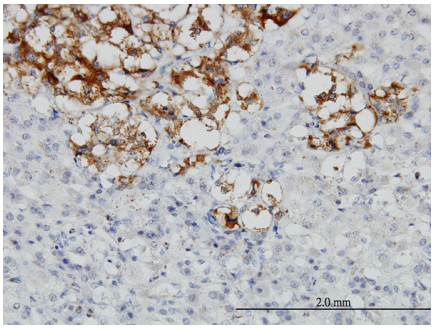


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (65.23 KDa) .

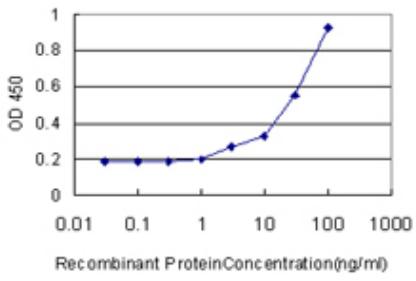


Western Blot analysis of DCN expression in transfected 293T cell line by DCN monoclonal antibody (M01), clone 3H4-1F4.

Lane 1: DCN transfected lysate (Predicted MW: 39.7 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to DCN on formalin-fixed paraffin-embedded human adrenal gland. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged DCN is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.