

Decorin Rabbit pAb

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Catalog # AP52095

Product Information

Application	WB
Primary Accession	P07585
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39747
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DCN
Epitope Specificity	101-200/347
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted, extracellular space, extracellular matrix.
DISEASE	Defects in DCN are the cause of congenital stromal corneal dystrophy (CSCD) [MIM:610048]. Corneal dystrophies are inherited, bilateral, primary alterations of the cornea that are not associated with prior inflammation or secondary to systemic disease. Most show autosomal dominant inheritance.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Also known as: Decorin; Bone proteoglycan II; CSCD; DCN; DCN protein; Dermatan sulphate proteoglycans II; DKFZp686J19238; DSPG 2; DSPG2; PG 40; PG II; PG S2; PG40; PGII; PGS 2; PGS2; Proteoglycan core protein; SLRR1B; Small leucine rich protein 1B.

Additional Information

Gene ID	1634
Other Names	Decorin, Bone proteoglycan II, PG-S2, PG40, DCN, SLRR1B
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DCN
Synonyms	SLRR1B
Function	May affect the rate of fibrils formation.
Cellular Location	Secreted, extracellular space, extracellular matrix. Secreted
Tissue Location	Detected in placenta (at protein level) (PubMed:32337544). Detected in cerebrospinal fluid, fibroblasts and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717).

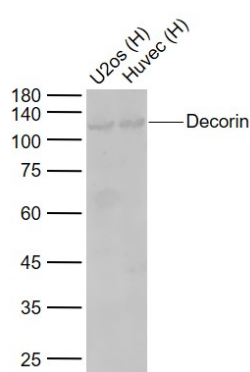
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References

Krusius T.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:7683-7687(1986).
Vetter U.,et al.Genomics 15:161-168(1993).
Danielson K.G.,et al.Genomics 15:146-160(1993).
Cs-Szabo G.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Images



Sample:
Lane 1: Human U2os cell lysates
Lane 2: Human Huvec cell lysates
Primary: Anti-Decorin (AP52095) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 36 kD
Observed band size: 110 kD

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