

Aggrecan Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50954

Product Information

Application	WB, IHC-P
Primary Accession	P16112
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	261329

Additional Information

Gene ID	176
Other Names	Aggrecan core protein, Cartilage-specific proteoglycan core protein, CSPCP, Chondroitin sulfate proteoglycan core protein 1, Chondroitin sulfate proteoglycan 1, Aggrecan core protein 2, ACAN, AGC1, CSPG1, MSK16
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Aggrecan. The exact sequence is proprietary.
Dilution	WB~~1:1000 IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ACAN
Synonyms	AGC1, CSPG1, MSK16
Function	This proteoglycan is a major component of extracellular matrix of cartilagenous tissues. A major function of this protein is to resist compression in cartilage. It binds avidly to hyaluronic acid via an N-terminal globular region.
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250 UniProtKB:P07898}
Tissue Location	Detected in fibroblasts (at protein level) (PubMed:36213313). Restricted to cartilage (PubMed:7524681)

Background

This proteoglycan is a major component of extracellular matrix of cartilagenous tissues. A major function of this protein is to resist compression in cartilage. It binds avidly to hyaluronic acid via an N-terminal globular region.

References

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Ilic M.Z.,et al.Arch. Biochem. Biophys. 322:22-30(1995).
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