

Aggrecan Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50954**Specification**

Aggrecan Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	P16112
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44 KDa

Aggrecan Antibody - 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

E~~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

Aggrecan Antibody - 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)

Aggrecan Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Aggrecan Antibody - Images**Aggrecan Antibody - Background**

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Aggrecan Antibody - References

Doege K.J.,et al.J. Biol. Chem. 266:894-902(1991).
Ilic M.Z.,et al.Arch. Biochem. Biophys. 322:22-30(1995).
Sandy J.D.,et al.J. Clin. Invest. 89:1512-1516(1992).
Glumoff V.,et al.Biochim. Biophys. Acta 1219:613-622(1994).
Lohmander L.S.,et al.Arthritis Rheum. 36:1214-1222(1993).