

**Aggrecan Antibody**  
**Rabbit mAb**  
**Catalog # AP91314****Specification**

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**Aggrecan Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P16112</a>
Clonality	Monoclonal

**Other Names**

ACAN; AGC1; AGCAN; Aggrecan 1; CSPG1; CSPGCP; JSCATE; Large aggregating proteoglycan; mcspg; mgsk16; MSK 16; SEDK;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	261329 Da

**Aggrecan Antibody - Additional Information**

Dilution	IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Aggrecan
Description	Aggrecan cleavage has been associated with a number of degenerative diseases including rheumatoid arthritis and osteoarthritis. There is evidence that this family of proteoglycans modulates cell adhesion, migration, and axonal outgrowth in the CNS.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**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**