

# Aggrecan Antibody

Rabbit mAb

Catalog # AP91314

## Product Information

<b>Application</b>	IHC
<b>Primary Accession</b>	<a href="#">P16112</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	ACAN; AGC1; AGCAN; Aggrecan 1; CSPG1; CSPGCP; JSCATE; Large aggregating proteoglycan; mcspg; mgsk16; MSK 16; SEDK;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	261329

## Additional Information

<b>Dilution</b>	IHC 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Aggrecan
<b>Description</b>	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.
<b>Storage Condition and Buffer</b>	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.

## Protein Information

<b>Name</b>	ACAN
<b>Synonyms</b>	AGC1, CSPG1, MSK16
<b>Function</b>	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.
<b>Cellular Location</b>	Secreted, extracellular space, extracellular matrix {ECO:0000250 UniProtKB:P07898}
<b>Tissue Location</b>	Detected in fibroblasts (at protein level) (PubMed:36213313). Restricted to cartilage (PubMed:7524681)

## Images

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Image not found : 202311/AP91314-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human cartilage tissue, using Aggrecan Antibody.

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