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Polyclonal Antibody to Aggrecan - Aff - Purified

Catalog No.: SP5181P

Quantity: 0.1 mg

Concentration: 0.59 mg/ml

Background: Aggrecan is a member of the family of large aggregating proteoglycans (also including versican, brevican, and neurocan). There is evidence that this family pf proteoglycans modulates cell adhesion, migration, and axonal outgrowth in the CNS. A prominent feature in joint disease (such as rheumatoid arthritis and osteoarthritis) is a loss of aggrecan. Two major cleavage sites are present in the IGD-domain separating the G1 and G2 domains.

Host: Rabbit

Immunogen: Synthetic peptide corresponding to residues C A(89) T E G Q V R V N S I Y Q D K V S L(106) of human Aggrecan
Remarks: This sequence is completely conserved between mouse and rat.
The immunizing peptide (SP5181CP) can be used for neutralization and control experiments.

Format: **State:** Liquid purified Ig fraction
Purification: Affinity chromatography
Buffer System: PBS containing 1 mg/ml BSA and 0.05% sodium azide

Applications: Western blot (1 µg/ml): detects an ~250 kDa protein representing aggrecan from rat chondrosarcoma cells.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

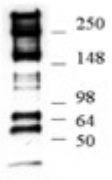
Specificity: The antibody detects Aggrecan.
Species: Human, rat, bovine.
Other species not tested.

Add. Information: This polyclonal antibody has been referred to as JSCATE or ATEGQV.

Storage: Store the antibody at -20°C. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: J. Neurosci., 21(13): 4772-4781, 2001.
Biochem. J., 351: 161-166, 2000.

Pictures: Western blot detection of aggrecan (~250 kDa) and degredation products from rat chondrosarcoma samples using SP5181P



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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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