

Aggrecan Neoepitope Antibody | anti-ACAN antibody

Aggrecan Neoepitope, Affinity Purified Antibody, Rabbit

CATALOG # AAA76451	REACTIVITY Cow, Cat, Human, Mouse, Porcine, Rat	APPLICATIONS Western Blot, Immunofluorescence
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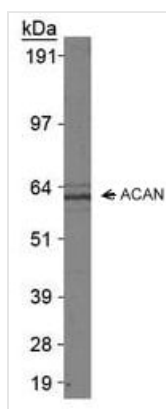
PRODUCT SYNONYMS

Aggrecan Neoepitope; Affinity Purified Antibody; Rabbit; anti-ACAN antibody

PRODUCT SPECIFICATIONS

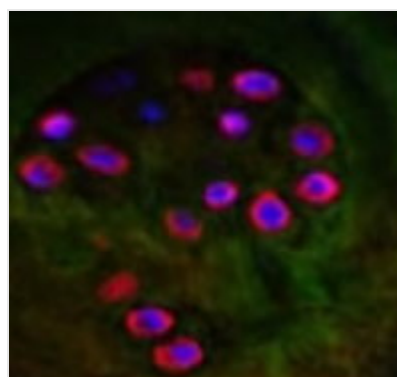
Reactivity	Cow, Cat, Human, Mouse, Porcine, Rat
Form/Format	Liquid; PBS, 30% glycerol with 0.1% Sodium Azide as a preservative.
Concentration	1 mg/ml (varies by lot)
Sequence Length	721
Applicable Applications for anti-ACAN antibody	WB (Western Blot), IF (Immunofluorescence)
Type Info	Rabbit IgG
Immunogen	Synthetic peptide corresponding to residues C G G N(a.a. 387) I T E G E(a.a. 392) of human aggrecan.
Preparation and Storage	Store frozen. Aliquot as undiluted antisera and immediately place at -20°C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for up to 6 months at -20°C. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data

Image: Western blot analysis of ACAN in L929 whole cell extracts.



Application Data

This ACAN antibody is useful for immunofluorescence and Western blot. In Western blot a band is detected at ~61 kDa representing the neoepitope sequence (NITEGE) generated by aggrecanase-mediated cleavage at Glu373-Ala374 of aggrecan core proteins.

ADDITIONAL INFORMATION

Related Product Information for anti-ACAN antibody	Aggrecan is a member of large, aggregating proteoglycans (also including, versican, brevican and neurocan) found in articular cartilage. Aggrecan is composed of three major domains: G1, G2, and G3. Between the G1 and G2 domains there is an interglobulin region (IGD). The IGD region is the major site of cleavage by specific proteases like metalloproteinases (MMPs) and aggrecanase (ADAMTS).
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Product Categories/Family for anti-ACAN antibody

[Antibodies](#); [Immune Response](#); [Other Immune Response Antibodies](#); [Aggrecan \(ACAN\) Neopeptide](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	22209083
NCBI GeneID	176
NCBI Official Full Name	Aggrecan
NCBI Official Synonym Full Names	aggrecan
NCBI Official Symbol	ACAN
NCBI Official Synonym Symbols	AGC1; SEDK; AGCAN; CSPG1; MSK16; CSPGCP
NCBI Protein Information	aggrecan core protein
UniProt Protein Name	Aggrecan core protein
UniProt Gene Name	ACAN
UniProt Synonym Gene Names	AGC1; CSPG1; MSK16; CSPCP; Chondroitin sulfate proteoglycan 1
UniProt Entry Name	PGCA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/acan-cat-cow-human-mouse-porcine-rat-antibody/aggrecan-neopeptide/76451>