

Aggrecan Polyclonal Antibody | anti-ACAN antibody

Aggrecan Antibody

CATALOG # AAA309563	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot
-------------------------------	--	---

PRODUCT SYNONYMS

Aggrecan; Polyclonal Antibody; Aggrecan Antibody; ACAN; AGCAN; Aggrecan core protein; Acg1; CSPG1; CSPGCP; CSPCP; AGC1; Aggrecan 1; Large aggregating proteoglycan; MSK16; SEDK; MCSPG; anti-ACAN antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Aggrecan Antibody detects endogenous levels of total Aggrecan
Purity/Purification	Immunogen affinity purified
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1.0mg/mL (varies by lot)
Sequence Length	2415
Applicable Applications for anti-ACAN antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Aggrecan
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of Aggrecan staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



IF (Immunofluorescence)

Immunofluorescent analysis of Aggrecan staining in C6 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



WB (Western Blot)

Western blot analysis of Aggrecan expression in CT26 (A), C6 (B), HeLa (C) whole cell lysates.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ACAN antibody	Total protein Ab
--	------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	129886
NCBI GeneID	176
UniProt Accession #	P16112; Q13650; Q9UCD3; Q9UCP4; Q9UCP5; Q9UDE0
Molecular Weight	261 kDa
NCBI Official Full Name	Aggrecan core protein
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.