

Aggrecan Antibody FITC Conjugated

Catalog No: #C01387F

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Aggrecan Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 180-230 2415 derived from Human Aggrecan
Conjugates	FITC
Target Name	Aggrecan
Other Names	BCAN; BEHAB; Brain enriched hyaluronan binding protein; Brevican core protein; Brevican core protein isoform 1; Brevican core protein isoform 2; Brevican proteoglycan; Chondroitin sulfate proteoglycan 7; Chondroitin sulfate proteoglycan BEHAB; CSPG7; MGC13038.
Accession No.	Swiss-Prot#P16112
Uniprot	P16112
GeneID	176;
Excitation Emission	494nm 518nm
Cell Localization	Secreted
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

The large chondroitin sulfate proteoglycan, aggrecan, is the predominant proteoglycan present in cartilage. Aggrecan is a member of the chondroitin sulphate proteoglycan family, which also includes versican PG-M, neurocan and brevican. Aggrecan is a complex multidomain macromolecule that undergoes extensive processing and post-translational modification. Aggrecan in cartilage forms aggregates with hyaluronan and link protein, embedded in a collagen network. Aggrecan accounts for the compressive stiffness and resilience of the hyaline cartilage. Many forms of inflammatory arthritis are shown to be accompanied with aggrecan degradation and loss from the cartilage. Brevican is a brain proteoglycan of the aggrecan versican neurocan family. In the adult brain, the brevican core protein undergoes proteolytic cleavage and exists as a full-length form a carboxy-terminal fragment and an amino-terminal fragment.

Note: This product is for in vitro research use only