

Datasheet for ABIN6942053 **anti-Aggrecan antibody**



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Aggrecan (ACAN)
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Aggrecan antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	C terminal human Aggrecan
Clone:	2F11
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Aggrecan (ACAN)
Alternative Name:	Aggrecan (ACAN Products)
Background:	Synonyms: Aggrecan core protein, Cartilage-specific proteoglycan core protein, Chondroitin sulfate proteoglycan core protein 1, Aggrecan core protein 2, CSPCP, Chondroitin sulfate

Target Details

proteoglycan 1, ACAN, AGC1, CSPG1, MSK16

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.

Gene ID:	176
UniProt:	P16112
Pathways:	Glycosaminoglycan Metabolic Process , Dicarboxylic Acid Transport

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

Handling

Expiry Date: 12 months