

## Datasheet for ABIN1834915 **anti-Aggrecan antibody**

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### Overview

|              |                                                                                                                                                                                                     |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 0.2 mg                                                                                                                                                                                              |
| Target:      | Aggrecan (ACAN)                                                                                                                                                                                     |
| Reactivity:  | Human, Cow                                                                                                                                                                                          |
| Host:        | Mouse                                                                                                                                                                                               |
| Clonality:   | Monoclonal                                                                                                                                                                                          |
| Conjugate:   | This Aggrecan antibody is un-conjugated                                                                                                                                                             |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:   | Purified human articular cartilage aggrecan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone:       | 7D4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype:     | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity: | Recognizes human aggrecan, a proteoglycan and member of the aggrecan/versican proteoglycan family, which forms a major component of the extracellular matrix (ECM) of both cartilage and the central nervous system (CNS). Studies using a panel of core protein-directed antibodies against human aggrecan, revealed the distribution of different aggrecan isoforms within the CNS, and sub-divided the isoforms into clusters 1-5 accordingly. These studies also showed a difference in the relative abundance of these isoforms when comparing brain and cartilage tissues. recognizes epitopes within the N-terminal G1-IGD-G2 region of aggrecan, that has been identified as a cluster 1 isoform. |

## Product Details

No Cross-Reactivity: Fish, Chicken, Rat (Rattus)

Purification: Protein G purified

## Target Details

Target: Aggrecan (ACAN)

Alternative Name: Aggrecan ([ACAN Products](#))

Background: Name/Gene ID: ACAN

Synonyms: ACAN, AGCAN, Aggrecan core protein, Acg1, Aggrecan, CSPG1, CSPGCP, CSPCP, AGC1, Aggrecan 1, Large aggregating proteoglycan, MSK16, SEDK, MCSPG

Gene ID: 176

Pathways: [Glycosaminoglycan Metabolic Process](#), [Dicarboxylic Acid Transport](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

Buffer: PBS, 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: 4°C or -20°C, Avoid freeze-thaw cycles.