

Datasheet for ABIN1175201

## anti-Aggrecan antibody (AA 34-147)



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### 1 Image

#### Overview

|                      |                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                 |
| Target:              | Aggrecan (ACAN)                                                                                        |
| Binding Specificity: | AA 34-147                                                                                              |
| Reactivity:          | Rat                                                                                                    |
| Host:                | Rabbit                                                                                                 |
| Clonality:           | Polyclonal                                                                                             |
| Conjugate:           | This Aggrecan antibody is un-conjugated                                                                |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

#### Product Details

|               |                                                                                                                                                                              |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:      | Polyclonal Antibody to Aggrecan (AGC)                                                                                                                                        |
| Immunogen:    | RPB908Ra01Recombinant Aggrecan (AGC)                                                                                                                                         |
| Isotype:      | IgG                                                                                                                                                                          |
| Specificity:  | The antibody is a rabbit polyclonal antibody raised against AGC. It has been selected for its ability to recognize AGC in immunohistochemical staining and western blotting. |
| Purification: | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                       |

#### Target Details

|         |                 |
|---------|-----------------|
| Target: | Aggrecan (ACAN) |
|---------|-----------------|

## Target Details

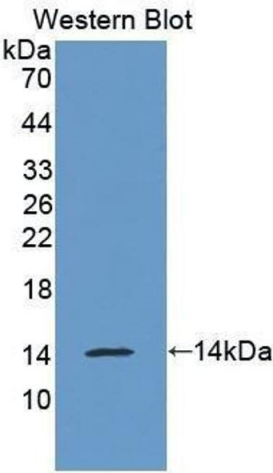
|                   |                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | Aggrecan ( <a href="#">ACAN Products</a> )                                                                                                                             |
| Background:       | ACAN, AGC1, AGCAN, CSPG1, CSPCP, CSPGCP, MSK16, SEDK, Cartilage-specific proteoglycan core protein, Large Aggregating Proteoglycan, Chondroitin Sulfate Proteoglycan 1 |
| Pathways:         | <a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Dicarboxylic Acid Transport</a>                                                                      |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western blotting: 0.01-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.                                                                                                                                                                        |
| Comment:           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

## Handling

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration:     | 0.5 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Buffer:            | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preservative:      | Sodium azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Precaution of Use: | WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing. |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage:           | 4 °C, -20 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Storage Comment:   | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                          |
| Expiry Date:       | 12 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



Western Blotting

Image 1.