

# Biotin-conjugated Aggrecan Recombinant monoclonal antibody

Catalog Number: Biotin-84819-5

## Basic Information

|                                     |                                          |                                                |
|-------------------------------------|------------------------------------------|------------------------------------------------|
| Catalog Number:<br>Biotin-84819-5   | GenBank Accession Number:<br>NM_013227.4 | Purification Method:<br>Protein A purification |
| Source:<br>Rabbit                   | GeneID (NCBI):<br>176                    | CloneNo.:<br>250777C8                          |
| Isotype:<br>IgG                     | UNIPROT ID:<br>P16112-1                  | Recommended Dilutions:<br>IHC: 1:50-1:500      |
| Immunogen Catalog Number:<br>EG2994 | Full Name:<br>aggrecan                   |                                                |
|                                     | Calculated MW:<br>261 kDa                |                                                |
|                                     | Observed MW:<br>140-150 kDa              |                                                |

## Applications

|                                                                                                                                                                  |                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Tested Applications:<br>IHC                                                                                                                                      | Positive Controls:<br>IHC : human lung cancer tissue, |
| Species Specificity:<br>human, mouse, rat                                                                                                                        |                                                       |
| <b>Note-IHC: suggested antigen retrieval with<br/>TE buffer pH 9.0; (*) Alternatively, antigen<br/>retrieval may be performed with citrate<br/>buffer pH 6.0</b> |                                                       |

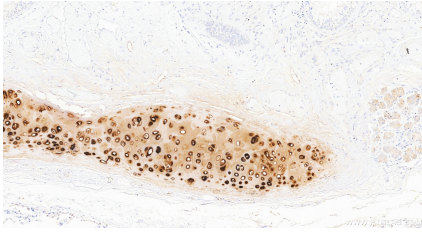
## Background Information

Aggrecan (ACAN), also named as CSPCP, AGC1 and MSK16, belongs to the aggrecan/versican proteoglycan family (also including versican, brevican and neurocan). It is a major component of extracellular matrix of cartilaginous tissues. A major function of aggrecan is to resist compression in cartilage. It binds avidly to hyaluronic acid via an N-terminal globular region.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using Biotin-84819-5 (Aggrecan antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).