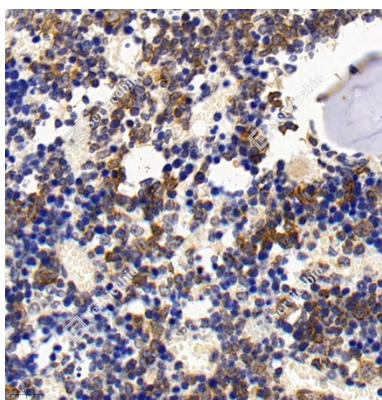


## Anti-Aggrecan Rabbit pAb

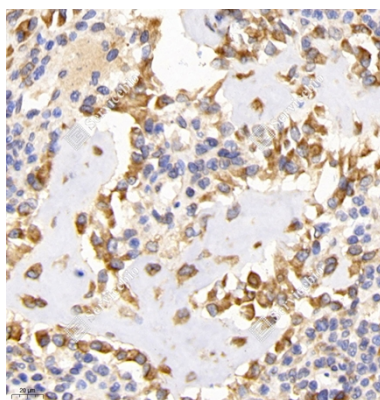


**GB11373 -20°C**

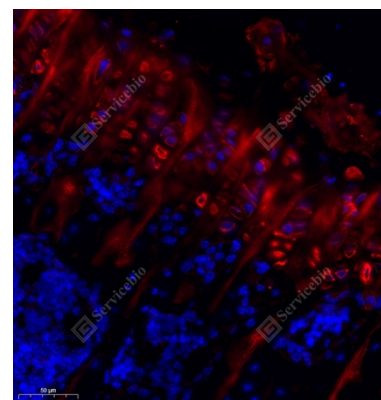
| Product Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  |                |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|-----------------|
| Protein full name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Aggrecan core protein                                            |                |                 |
| Synonyms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ACAN, AGC1, AGCAN, CSPG1, CSPGCP, MSK16, SEDK, Aggrecan          |                |                 |
| Immunogen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | KLH conjugated Synthetic peptide corresponding to Mouse Aggrecan |                |                 |
| Uniprot ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Q61282                                                           |                |                 |
| Isotype                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IgG                                                              |                |                 |
| Purity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Affinity purification                                            |                |                 |
| Subcellular location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Secreted, extracellular space, extracellular matrix              |                |                 |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Species                                                          | Dilution       | Positive Tissue |
| IHC/IF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Human, Mouse, Rat                                                | 1: 500-1: 1000 | bone            |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                |                 |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  |                |                 |
| Storage Buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.       |                |                 |
| background                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                |                 |
| Aggrecan (ACAN), also known as cartilage-specific proteoglycan core protein (CSPCP) or chondroitin sulfate proteoglycan 1, is a protein that in humans is encoded by the ACAN gene. This gene is a member of the lectican (chondroitin sulfate proteoglycan) family. This proteoglycan is a major component of extracellular matrix of cartilagenous tissues. A major function of this protein is to resist compression in cartilage. It binds avidly to hyaluronic acid via an N-terminal globular region. May play a regulatory role in the matrix assembly of the cartilage. |                                                                  |                |                 |
| Images                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                |                 |



IHC analysis of Aggrecan(GB11373).  
Sample: Mouse bone, 4% PFA (G1101) 12-24h.  
Antigen retrieval: Citrate buffer (pH 6.0) (G1201), 98°C, 20 min.  
Primary antibody: 1: 500, 4°C overnight.  
Secondary antibody: HRP conjugated Goat Anti-Rabbit IgG (H+L) (GB23303), 1: 200, RT, 1h.



IHC analysis of Aggrecan(GB11373).  
Sample: Rat bone, 4% PFA (G1101) 12-24h.  
Antigen retrieval: Citrate buffer (pH 6.0) (G1201), 98°C, 20 min.  
Primary antibody: 1: 500, 4°C overnight.  
Secondary antibody: HRP conjugated Goat Anti-Rabbit IgG (H+L) (GB23303), 1: 200, RT, 1h.



IF analysis of Aggrecan(GB11373)red.  
Sample: Mouse bone, 4% PFA (G1101) 12-24h.  
Antigen retrieval: Tris-EDTA buffer (pH 9.0) (G1203), 98°C, 20min.  
Blocking buffer: 3% BSA (GC305010) in PBS, RT, 30min.  
Primary antibody: 1: 500, 4°C overnight.  
Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG (H+L) (GB21303), 1: 300, RT, 1h.

**For Research Use Only!**

**Ver. No.: V2.0-20260420**