

Recombinant Anti-Aggrecan antibody (Rabbit mAb)



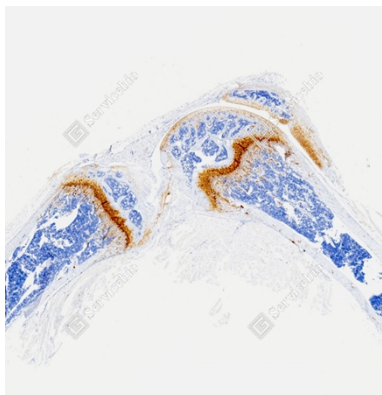
GB155687 -20°C

Product Information			
Protein full name	Aggrecan core protein		
Synonyms	ACAN, AGC1, AGCAN, CSPG1, CSPGCP, MSK16, SEDK, Aggrecan		
Immunogen	Recombinant protein corresponding to Mouse Aggrecan		
Uniprot ID	Q61282		
Isotype	IgG		
Clone Number	SB581		
Purity	Affinity purification		
Subcellular location	Secreted, extracellular space, extracellular matrix		
Applications	Species	Dilution	Positive Tissue
IHC/IF	Human, Mouse, Rat	1: 350-1: 700	bone, trachea
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.		

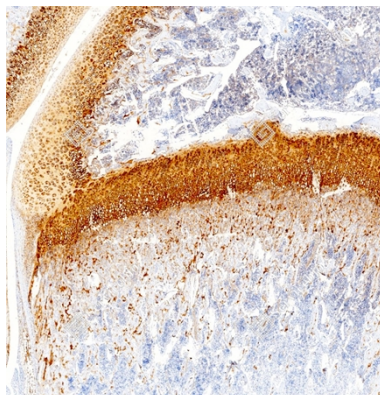
background

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 cartilaginous 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.

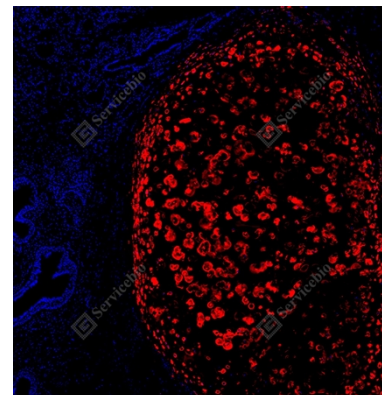
Images



IHC analysis of Aggrecan(GB155687).
Sample: Mouse bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Antigen retrieval instrument: (ARI-4), Tris-EDTA buffer (pH 9.0) (G1203), Water bath 100°C 25min.
Primary antibody: 1: 700, 4°C overnight.
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG (H+L), Ready to use(G1302), RT, 20min.



IHC analysis of Aggrecan(GB155687).
Sample: Rat bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Antigen retrieval instrument: (ARI-4), Tris-EDTA buffer (pH 9.0) (G1203), Water bath 100°C 25min.
Primary antibody: 1: 700, 4°C overnight.
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG (H+L), Ready to use(G1302), RT, 20min.



IF analysis of Aggrecan(GB155687)red.
Sample: Human trachea, 4% PFA (G1101) 12-24h.
Antigen retrieval: Antigen retrieval instrument: (ARI-4), Tris-EDTA buffer (pH 9.0) (G1203), Water bath 100°C 25min.
Blocking buffer: 3% BSA (GC305010) in PBS, RT, 30min.
Primary antibody: 1: 350, 4°C overnight.
Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG (H+L) (GB21303), 1: 300, RT, 1h.

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Ver. No.: V2.0-20260420