

For Research Use Only

Aggrecan Recombinant monoclonal antibody

Catalog Number: 84819-5-RR



Basic Information

Catalog Number: 84819-5-RR	GenBank Accession Number: NM_013227.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 176	CloneNo.: 250777C8
Isotype: IgG	UNIPROT ID: P16112-1	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:200-1:800
Immunogen Catalog Number: EG2994	Full Name: aggrecan	
	Calculated MW: 261 kDa	
	Observed MW: 140-150 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse cartilage tissue, rat auricular cartilage tissue

IHC : human lung cancer tissue, mouse lung tissue

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

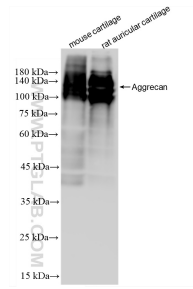
T: 4006900926

E: Proteintech-CN@ptglab.com

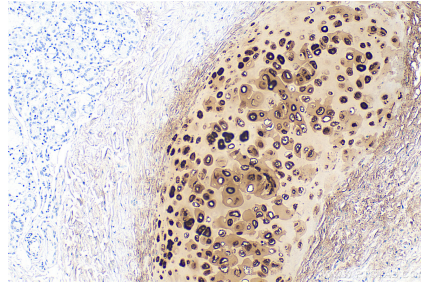
W: ptgcn.com

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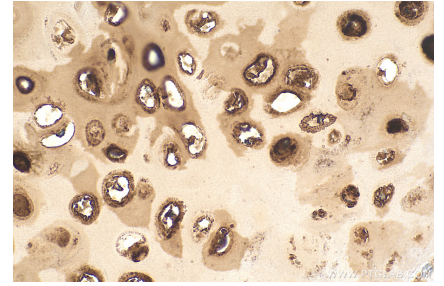
Selected Validation Data



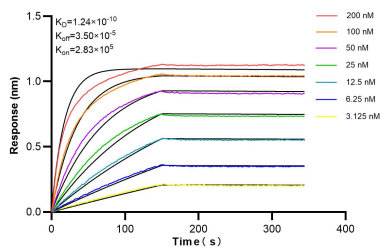
Various lysates were subjected to SDS PAGE followed by western blot with 84819-5-RR (Aggrecan antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 84819-5-RR (Aggrecan antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 84819-5-RR (Aggrecan antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84819-5-RR against Human Aggrecan were performed. The affinity constant is 0.124 nM.