

For Research Use Only

Aggrecan Polyclonal antibody

Catalog Number: 13880-1-AP **231 Publications**



Basic Information

Catalog Number: 13880-1-AP	GenBank Accession Number: BC036445	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 176	Recommended Dilutions: IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: P16112	
Isotype: IgG	Full Name: aggrecan	
Immunogen Catalog Number: AG4985	Calculated MW: 250 kDa	

Applications

Tested Applications: FC, IHC, ELISA	Positive Controls: IHC : human lung tissue, human lung cancer tissue, human cartilage tissue, mouse lung tissue
Cited Applications: IF, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse, rabbit, zebrafish, pig, canine	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yangfei Yi	36178080	Orthop Surg	IHC
Sa Cha	34638972	Int J Mol Sci	IHC
Lindsay N Collins	31571216	J Comp Neurol	

Storage

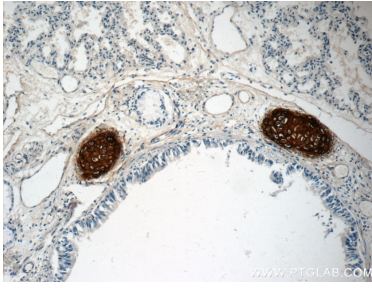
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

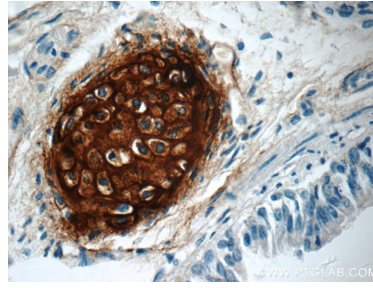
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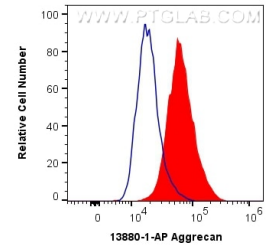
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 13880-1-AP (Aggrecan antibody at dilution of 1:400) (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 13880-1-AP (Aggrecan antibody at dilution of 1:400) (under 40x lens).



1×10^6 ATDC-5 cells were intracellularly stained with 0.8 μ g Anti-Human Aggrecan (13880-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.8 μ g Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).