

For Research Use Only

# Aggrecan Polyclonal antibody

Catalog Number: 30532-1-AP



## Basic Information

Catalog Number:

30532-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32723

GenBank Accession Number:

BC036445

GeneID (NCBI):

176

UNIPROT ID:

P16112

Full Name:

aggrecan

Calculated MW:

250 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC: 1:50-1:500

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human

**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:

IHC: human lung cancer tissue,

FC (Intra): ATDC-5 cells,

## Background Information

Aggrecan (ACAN), also named as CSPPC, 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

\*\*\* 20ul sizes contain 0.1% BSA

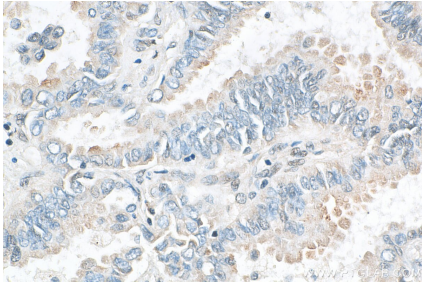
For technical support and original validation data for this product please contact:

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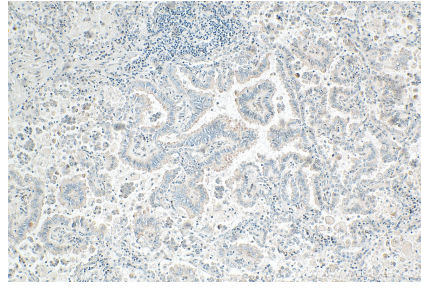
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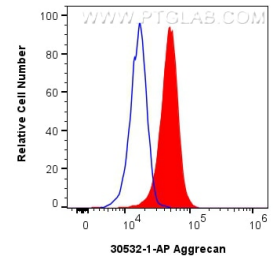
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 30532-1-AP (Aggrecan antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 30532-1-AP (Aggrecan antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



$1 \times 10^6$  ATDC-5 cells were intracellularly stained with 0.25  $\mu$ g Aggrecan Polyclonal Antibody (30532-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25  $\mu$ g rabbit IgG isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.