

Aggrecan Polyclonal Antibody

Catalog number: 13880-1-AP

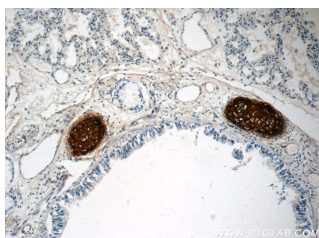
Size: 39 µg/150 µl

Source: Rabbit

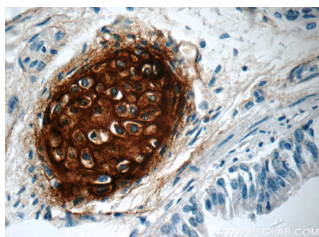
Isotype: IgG

Synonyms:

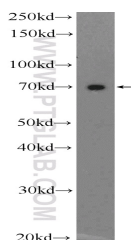
ACAN; ACAN, AGC1, AGCAN,
aggrecan, CSPG1, CSPGCP,
MSK16, SEDK



Immunohistochemistry of paraffin-embedded human lung tissue slide using 13880-1-AP (ACAN Antibody) at dilution of 1:400 (under 10x lens)



Immunohistochemistry of paraffin-embedded human lung tissue slide using 13880-1-AP (ACAN Antibody) at dilution of 1:400 (under 40x lens)



ROS1728 cells were subjected to SDS PAGE followed by western blot with 13880-1-AP (ACAN Antibody) at dilution of 1:600

Background

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. This polyclonal antibody raised against 1-298aa of human aggrecan reveals a band of 70 kDa, which is consistent with the molecular weight of degradation product generated by proteolysis at the aggrecanase site (PMID: 7852317; 9337874).

Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated Aggrecan MW:	250 kDa
Observed Aggrecan MW:	70 kDa
Positive WB detected in	ROS1728 cells
Positive IHC detected in	Human lung tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4985
GenBank accession number:	BC036445
Gene ID (NCBI):	176
Full name:	Aggrecan

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.