

For Research Use Only

Aggrecan Polyclonal antibody

Catalog Number: 13880-1-AP

294 Publications



Basic Information

Catalog Number:

13880-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4985

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 1:200-1:800

Applications

Tested Applications:

IHC, FC (Intra), ELISA

Cited Applications:

IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, rabbit, canine, zebrafish

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 tissue, human cartilage tissue, human lung cancer tissue, mouse lung tissue, rat brain 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.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

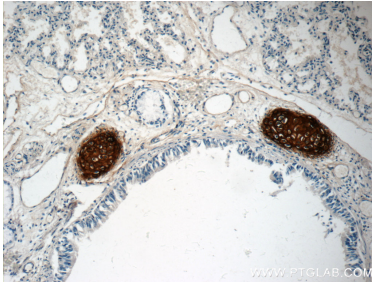
T: 4006900926

E: Proteintech-CN@ptglab.com

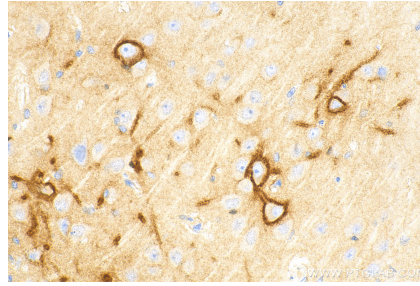
W: ptgcn.com

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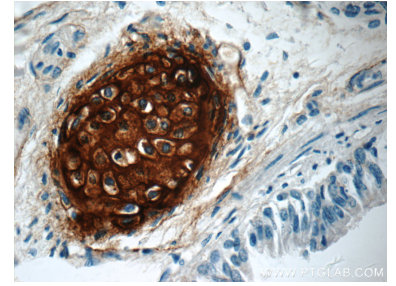
Selected Validation Data



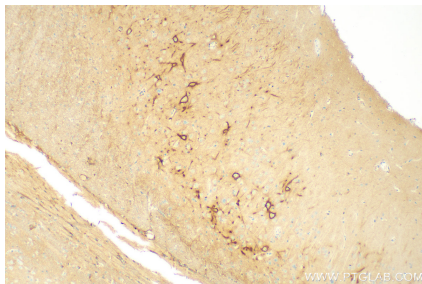
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 13880-1-AP (Aggrecan antibody at dilution of 1:400 (under 10x lens).



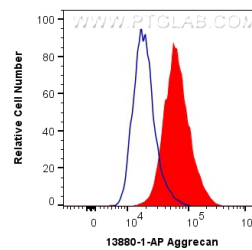
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 13880-1-AP (Aggrecan antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 13880-1-AP (Aggrecan antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ ATDC-5 cells were intracellularly stained with 0.8 ug Anti-Human Aggrecan (13880-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).