

For Research Use Only

Aggrecan Monoclonal antibody

Catalog Number: 68350-1-Ig 4 Publications



Basic Information

Catalog Number: 68350-1-Ig	GenBank Accession Number: BC036445	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 176	CloneNo.: 1G11B3
Source: Mouse	UNIPROT ID: P16112	Recommended Dilutions: IHC 1:500-1:2000 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: aggrecan	
Immunogen Catalog Number: AG4985	Calculated MW: 250 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	IHC : human lung cancer tissue,
Species Specificity: human	IF/ICC : HEK-293 cells,
Cited Species: mouse, rat, rabbit	
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 CSPCP, AGC1 and MSK16, belongs to the aggrecan/versican proteoglycan family (also including versican, brevican and neurocan). It is a major component of the 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
Guang Shi	39899451	ACS Nano	WB
Xian Chen	39073018	Adv Healthc Mater	WB,IF
Lang Liu	38765877	Drug Des Devel Ther	IHC

Storage

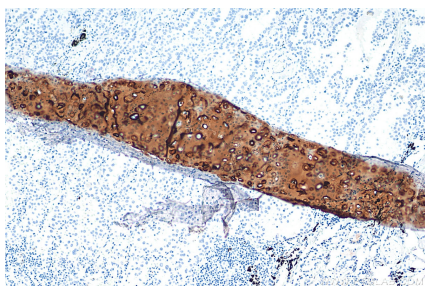
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

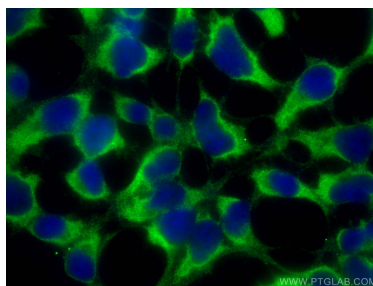
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68350-1-Ig (ACAN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using ACAN antibody (68350-1-Ig, Clone: 1G11B3) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).