

Product Datasheet

Aggrecan Antibody (6-B-4)

NB110-6524-0.25 ml

Unit Size: 0.25 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB110-6524-0.25 ml

Aggrecan Antibody (6-B-4)

Product Information	
Unit Size	0.25 mg
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6-B-4
Preservative	0.002% Sodium Azide
Isotype	IgG1 Kappa
Purity	Tissue culture supernatant
Buffer	Tissue culture supernatant
Target Molecular Weight	250 kDa
Product Description	
Host	Mouse
Gene ID	176
Gene Symbol	ACAN
Species	Human, Mouse, Bovine
Reactivity Notes	Cross-reacts with Human and Cow. Sheep data from customer review. Mouse reactivity reported in scientific literature (PMID: 31364704).
Marker	Chondrocyte Marker
Specificity/Sensitivity	Recognises the linear amino acid sequence 394EPEEPFTFAPEI406 present in the interglobular domain (IGD) of human and bovine aggrecan.
Immunogen	Synthetic peptide: EPEEPFTFAPEI.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	This antibody should work in IHC on formalin- or paraformaldehyde-fixed paraffin embedded sections as well as either alcohol-fixed frozen sections or un-fixed snap-frozen sections. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

Immunohistochemistry-Paraffin: Aggrecan Antibody (6-B-4) [NB110-6524] - Aggrecan on sheep intervertebral disc. Image from verified customer review.



Publications

Lovelace JW, Rais M, Palacios AR et al. Deletion of Fmr1 from Forebrain Excitatory Neurons Triggers Abnormal Cellular, EEG, and Behavioral Phenotypes in the Auditory Cortex of a Mouse Model of Fragile X Syndrome Cereb. Cortex 2019-07-29 [PMID: 31364704] (WB, Mouse)

Krouwels A, Melchels F, Van Rijen MHP, Oner FC. Comparing hydrogels for human nucleus pulposus cell regeneration;role of osmolarity during expansion. Tissue Eng Part C Methods. 2018-02-17 [PMID: 29457534] (IF/IHC)

Krouwels A, Melchels FPW, van Rijen MHP et al. Focal adhesion signaling affects regeneration by human nucleus pulposus cells in collagen- but not carbohydrate-based hydrogels Acta Biomater. 2017-11-22 [PMID: 29174589] (Human)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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