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Datasheet for ABIN7265514  
**anti-Aggrecan antibody**

2 Images

Overview

Quantity:	100 µL
Target:	Aggrecan (ACAN)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Aggrecan antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Aggrecan Rabbit mAb
Immunogen:	A synthesized peptide derived from human Aggrecan
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Aggrecan (ACAN)
Alternative Name:	ACAN ( <a href="#">ACAN Products</a> )
Background:	This gene is a member of the aggrecan/versican proteoglycan family. The encoded protein is

## Target Details

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an integral part of the extracellular matrix in cartilagenous tissue and it withstands compression in cartilage. Mutations in this gene may be involved in skeletal dysplasia and spinal degeneration. Multiple alternatively spliced transcript variants that encode different protein isoforms have been observed in this gene. [provided by RefSeq, Jul 2008],AGC1, AGCAN, CSPG1, CSPGCP, MSK16, SEDK,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Mesenchymal Stem Cells,Signal Transduction,Stem Cells,ACAN

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Molecular Weight: 250kDa

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Gene ID: 176

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UniProt: [P16112](#)

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Pathways: [Glycosaminoglycan Metabolic Process](#), [Dicarboxylic Acid Transport](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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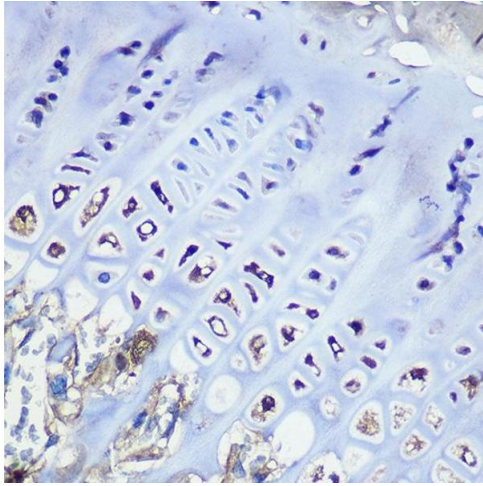
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

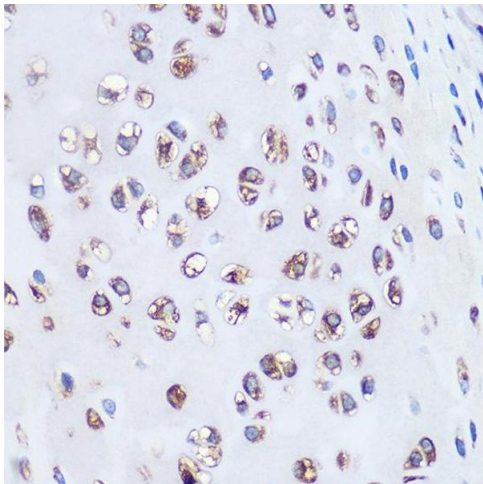
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse bone marrow using Aggrecan Rabbit mAb (ABIN7265514) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded rat bone marrow using Aggrecan Rabbit mAb (ABIN7265514) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.