

# Product Datasheet

## Collagen II Antibody (2) - BSA Free NBP1-05169

Unit Size: 0.1 ml

Store at 4C in the dark.

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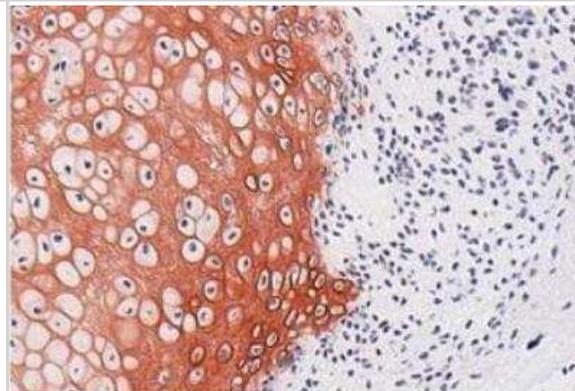
**NBP1-05169**

Collagen II Antibody (2) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2
<b>Preservative</b>	0.9% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10mM Phosphate (pH 7.4) and 0.5M NaCl
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	1280
<b>Gene Symbol</b>	COL2A1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	Procollagen type IIA N-terminal propeptide
<b>Immunogen</b>	Recombinant expressed PIIANP
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:1000
<b>Application Notes</b>	ELISA: NBP1-05169 also reacts with recombinant PIIANP coated directly onto the microtiter well. IHC: NBP1-05169 diluted in 10%FCS/TBS is well suited for immunohistochemistry on formalin-fixed, paraffin-embedded fetal tissue. Use in Canine reported by customer review.

## Images

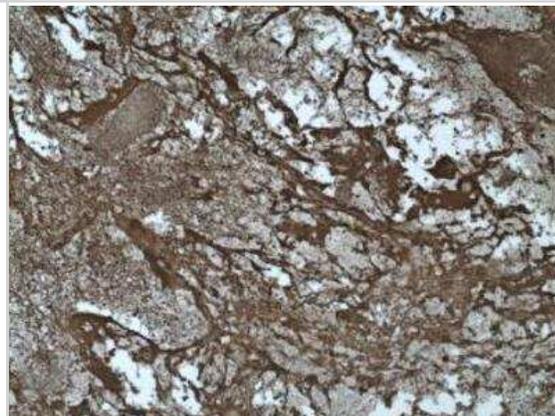
Immunohistochemistry-Paraffin: Procollagen Type 2A Antibody (003-02) [NBP1-05169] - Staining of a formalin-fixed, paraffin-embedded biopsy from a chondroblastoma, showing specific staining of tumor cells with NBP1-05169 developed with peroxidase-labeled goat anti-mouse Ig (blue color).



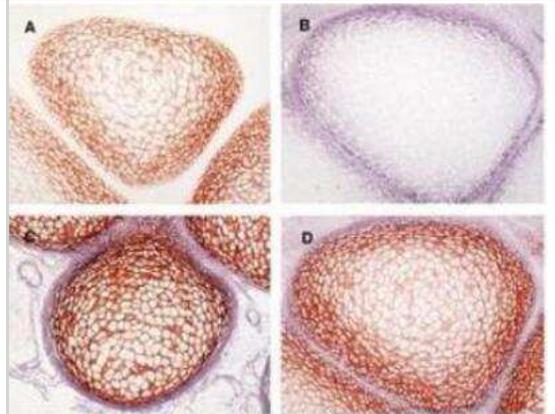
Immunohistochemistry: Collagen II Antibody (003-02) - BSA Free [NBP1-05169] - Procollagen Type 2A Antibody (003-02) [NBP1-05169] - Positive stain of Canine Chondrocytes incubated overnight at room temperature at 1:100 dilution. Image courtesy of Dragana Ponjevic, Dr. Matyas Laboratory, University of Calgary.



Immunohistochemistry: Procollagen Type 2A Antibody (003-02) [NBP1-05169] - Human chondrocytes stained with NBP1-05169 overnight at room temperature, 1:100 dilution. Image courtesy of Dragana Ponjevic, Dr. Matyas Laboratory, University of Calgary.



Immunohistochemistry-Paraffin: Procollagen Type 2A Antibody (003-02) [NBP1-05169] - Staining of a formalin-fixed, paraffin-embedded fetal bone anlage in the hand (around week 10).



## Publications

Maeda S, matsumoto m, Segawa K et al. Development of scaffold-free tissue-engineered constructs with serum-free media from mesenchymal stem cell-derived cells for cartilage repair and long-term preservation Research Square 2023-10-31 (IHC)

Zhang J, Sun J, Chen D et al. Suppression of matrix degradation and amelioration of disc degeneration by a 970-nm diode laser via inhibition of the p38 MAPK pathway in a rabbit model Lasers in medical science 2023-01-31 [PMID: 36717466]





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### **Products Related to NBP1-05169**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-97243	Collagen II Native Protein

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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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