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Datasheet for ABIN672180

## anti-COL2 antibody (AA 1201-1300) (HRP)

### 1 Publication

#### Overview

Quantity:	100 µL
Target:	COL2
Binding Specificity:	AA 1201-1300
Reactivity:	Human, Mouse, Rat, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL2 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Collagen II
Isotype:	IgG
Cross-Reactivity:	Guinea Pig, Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Cow,Chicken
Purification:	Purified by Protein A.

#### Target Details

Target:	COL2
Alternative Name:	Collagen 2 ( <a href="#">COL2 Products</a> )

## Target Details

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Background: Synonyms: AOM, ANFH, SEDC, STL1, COL11A3, Collagen alpha-1(II) chain, Alpha-1 type II collagen, COL2A1  
Background: Type II collagen is specific for cartilaginous tissues. It is essential for the normal embryonic development of the skeleton, for linear growth and for the ability of cartilage to resist compressive forces.

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Molecular Weight: 156kDa

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Gene ID: 1280

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UniProt: [P02458](#)

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## Application Details

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Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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

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Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months

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## Publications

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Product cited in: Kuo, Chen, Hsiao, Chen: "Incorporation of chitosan in biomimetic gelatin/chondroitin-6-sulfate/hyaluronan cryogel for cartilage tissue engineering." in: **Carbohydrate polymers**, Vol. 117, pp. 722-30, (2014) ([PubMed](#)).