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Datasheet for ABIN6260939
anti-COL2A1 antibody (N-Term)

4 Images

Overview

Quantity:	100 µL
Target:	COL2A1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL2A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human Collagen II, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	Collagen II Antibody detects endogenous levels of total Collagen II.
Predicted Reactivity:	Bovine,Horse,Sheep,Rabbit,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	COL2A1
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Target Details

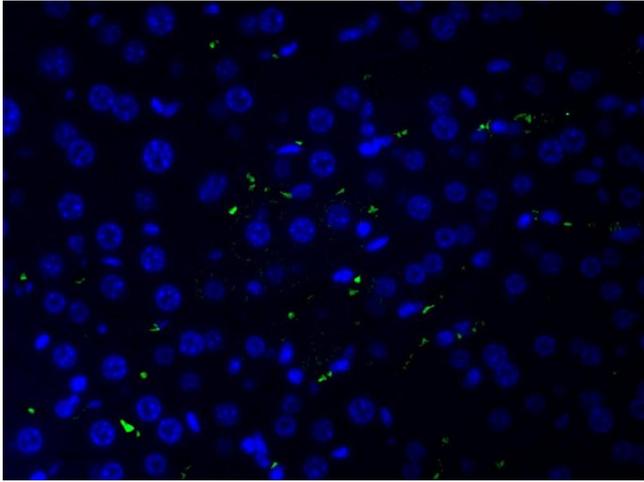
Alternative Name:	COL2A1 (COL2A1 Products)
Background:	Description: Type II collagen is specific for cartilaginous tissues. It is essential for the normal embryonic development of the skeleton, for linear growth and for the ability of cartilage to resist compressive forces. Gene: COL2A1
Molecular Weight:	140kDa
Gene ID:	1280
UniProt:	P02458
Pathways:	Sensory Perception of Sound , Growth Factor Binding

Application Details

Application Notes:	WB: 1:500-1:3000, IHC: 1:50-1:200, IF/ICC: 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



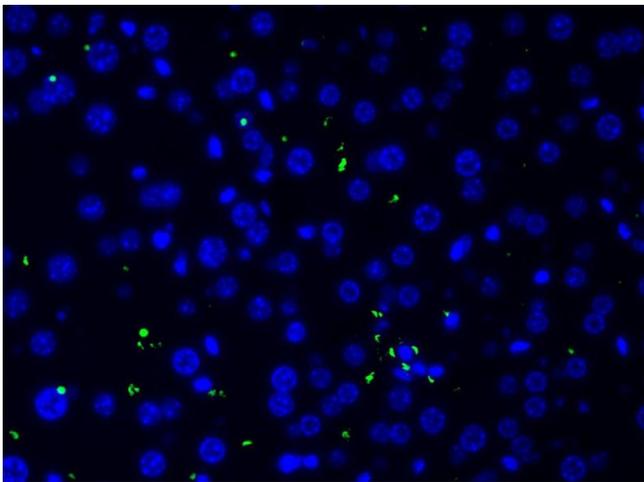
Immunofluorescence (fixed cells)

Image 1. ABIN6266515 at 1/200 staining human liver tissue cells by ICC/IF. Cells were formaldehyde fixed, permeabilized by Triton X-100 and blocked 5% BSA for 30 minutes at room temperature. The sample was incubated with the primary antibody (1/200 in BSA) for 1 hour. An Alexa Fluor 488®-conjugated Goat anti-rabbit antibody was used as the secondary.



Immunofluorescence (fixed cells)

Image 2. ABIN6266515 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody.



Immunofluorescence (fixed cells)

Image 3. ABIN6266515 at 1/200 staining human liver tissue cells by ICC/IF. Cells were formaldehyde fixed, permeabilized by Triton X-100 and blocked 5% BSA for 30 minutes at room temperature. The sample was incubated with the primary antibody (1/200 in BSA) for 1 hour. An Alexa Fluor 488®-conjugated Goat anti-rabbit antibody was used as the secondary.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6260939.