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anti-COL3A1 antibody (N-Term)





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Quantity:	100 μL
Target:	COL3A1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COL3A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

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

Target Details

Target:	COL3A1		
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Target Details

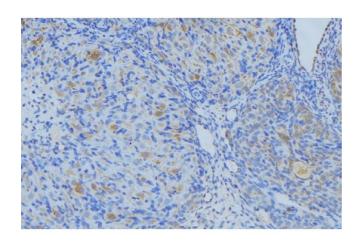
Alternative Name:	COL3A1 (COL3A1 Products)	
Background:	Description: Collagen type III occurs in most soft connective tissues along with type I collag	
	Involved in regulation of cortical development. Is the major ligand of ADGRG1 in the developing	
	brain and binding to ADGRG1 inhibits neuronal migration and activates the RhoA pathway by	
	coupling ADGRG1 to GNA13 and possibly GNA12.	
	Gene: COL3A1	
Molecular Weight:	138 kDa	
Gene ID:	1281	
UniProt:	P02461	
Pathways:	Autophagy, Growth Factor Binding	

Application Details

Application Notes:	WB 1:1000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

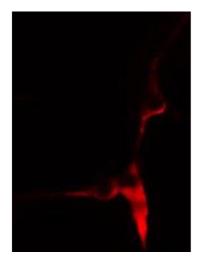
Handling

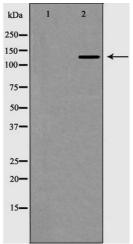
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained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



Immunohistochemistry

Image 1. ABIN6269003 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at $22_{\rm i}$ aC. An HRP conjugated goat anti-rabbit antibody was used as the secondary





Immunofluorescence (fixed cells)

Image 2. ABIN6269003 staining HeLa 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.

Western Blotting

Image 3. Western blot analysis of Collagen III expression in HT1080 Whole cell lysate. The lane on the left is treated with the antigen-specific peptide.