antibodies - online.com





anti-COL1A1 antibody (C-Term)



Images

Publications



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Quantity:	100 μg	
Target:	COL1A1	
Binding Specificity:	AA 1192-1207, C-Term	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffi embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))	
Product Details		

Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Collagen alpha-1(I) chain(COL1A1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Collagen I(1192-1207aa QPPQEKSQDGGRYYRA), identical to the related rat sequence, and different from the related human sequence by two amino acids.
Sequence:	QPPQEKSQDG GRYYRA
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Collagen alpha-1(I) chain(COL1A1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat. Gene Name: collagen, type I, alpha 1

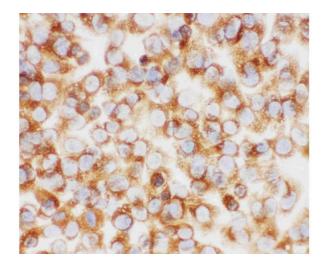
Product Details

Protein Name: Collagen alpha-1(I) chain	
Immunogen affinity purified.	
COL1A1	
COL1A1 (COL1A1 Products)	
Collagen, type I, alpha 1, also known as COL1A1, is a human gene that encodes the major component of type I collagen, the fibrillar collagen found in most connective tissues, including cartilage. This gene is mapped to 17q21.33. This gene encodes the pro-alpha1 chains of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril forming collagen found in most connective tissues and is abundant in bone, cornea, dermis antendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis.	
Synonyms: Alpha 1 type I collagen antibody Alpha 2 type I collagen antibody Alpha-1 type I collagen antibody CO1A1_HUMAN antibody COL1A1 antibody COL1A2 antibody Collagen alpha 1(I) chain antibody Collagen I alpha 1 polypeptide antibody Collagen I alpha 2 polypeptide antibody Collagen Of Skin Tendon And Bone antibody Collagen Type 1 antibody Collagen type I alpha 1 antibody Collagen type I alpha 2 antibody O14 antibody Osteogenesis Imperfecta Type IV antibody Pro alpha 1(I) collagen antibody Type I procollagen antibody	
P11087	
Sensory Perception of Sound, Autophagy, Growth Factor Binding	
WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, The detection limit for COL1A1 is approximately 0.5 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. IHC-F: Concentration: 0.5-1 μg/mL, Tested Species: Human, Rat, Predicted Species: Mouse ICC: Concentration: 0.5-1 μg/mL, Tested Species: Mouse, Predicted Species: Human, Rat	

Application Details

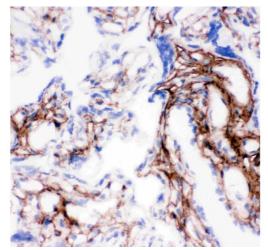
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	fit for the product based on sequence similarities. Other applications have not been tested.		
	Optimal dilutions should be determined by end users.		
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by		
	ABIN921231 in IHC(P), IHC(F) and ICC.		
Restrictions:	For Research Use only		
Handling			
Format:	Lyophilized		
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.		
Concentration:	500 μg/mL		
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg		
	Sodium azide.		
Preservative:	Sodium azide, Thimerosal (Merthiolate)		
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND		
	HAZARDOUS SUBSTANCES which should be handled by trained staff only.		
Storage:	4 °C,-20 °C		
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.		
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing		
	and thawing.		
Publications			
Product cited in:	Pizzino, Irrera, Galfo, Oteri, Atteritano, Pallio, Mannino, DAmore, Pellegrino, Aliquò, Anastasi,		
	Cutroneo, Squadrito, Altavilla, Bitto: "Adenosine Receptor Stimulation Improves Glucocorticoid-		
	Induced Osteoporosis in a Rat Model." in: Frontiers in pharmacology , Vol. 8, pp. 558, (2017) (
	PubMed).		
	There are more publications referencing this product on: Product page		

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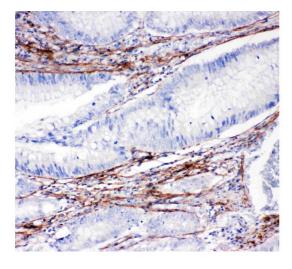
Immunofluorescence

Image 1. Anti-Collagen I antibody, ICC: NIH3T3 Cell



Immunohistochemistry

Image 2. Anti-Collagen I antibody, IHC(F): Human Placenta Tissue



Immunohistochemistry

Image 3. Anti-Collagen I antibody, IHC(P): Human Intestinal Cancer Tissue

Please check the product details page for more images. Overall 5 images are available for ABIN5518708.