

Anti-Collagen I Rabbit pAb



WL0088

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Collagen I Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat, Rabbit, Cow	
Tested applications	WB	1:500-1:1000
	IHC	1:200
	IF	1:200
Cellular localization	Secreted	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	Type I collagen is a member of group I collagen found in most connective tissues such as skin, bone and tendon. Collagen type I is produced from procollagen when two teloterminal propeptides are digested from the precursor and released into the circulation. Type I collagen is a heterotrimer that consists of two alpha 1 chains and one alpha 2 chain. Mutations in the COL1A1 gene encoding the alpha 1 chain are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Mutations in the COL1A2 gene encoding the alpha 2 chain are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIB, recessive Ehlers-Danlos syndrome Classical type, idiopathic osteoporosis, and atypical Marfan syndrome.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Collagen I.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

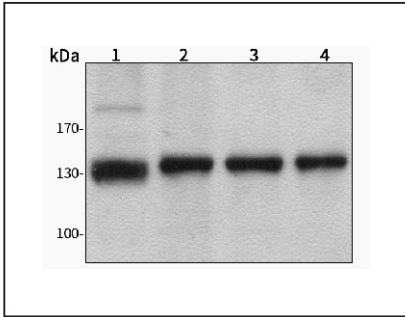
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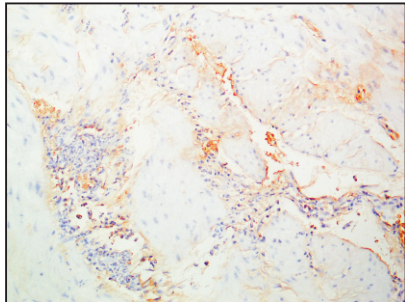
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Product Images



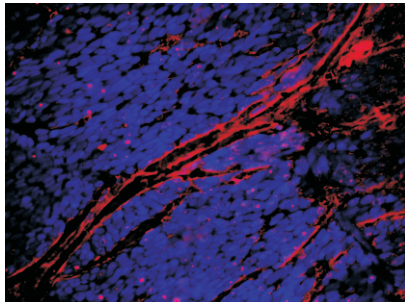
Western blot-Anti-Collagen I pAb

Lane 1: Rat testicle tissue lysate
Lane 2: Rat brain tissue lysate
Lane 3: Rat cerebellum tissue lysate
Lane 4: Rat spinal cord tissue lysate
All lanes: Anti-Collagen I at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 130 kDa
Observed band size: 130 kDa



Immunohistochemistry-Anti-Collagen I pAb

Immunohistochemical analysis of paraffin-embedded human stomach using anti-Collagen I Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Collagen I pAb

Immunofluorescence analysis of paraffin-embedded human stomach using anti-Collagen I Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

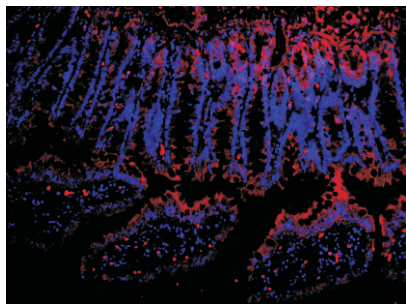
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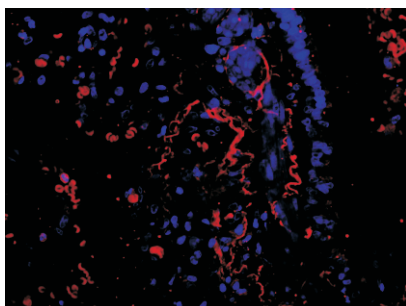
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Immunofluorescence-Anti-Collagen I pAb

Immunofluorescence analysis of paraffin-embedded rat colon using anti-Collagen I Rabbit Antibody at 1:200 dilution.

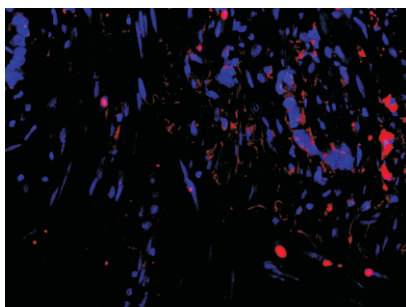
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Collagen I pAb

Immunofluorescence analysis of paraffin-embedded human lung using anti-Collagen I Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Collagen I pAb

Immunofluorescence analysis of paraffin-embedded human rectum cancer using anti-Collagen I Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0