

COL1A1 Polyclonal Antibody

Catalog No.	A16891	Category	Polyclonal Antibodies
Applications	WB, IHC, IF	Observed MW	139kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	138kDa

Immunogen Information

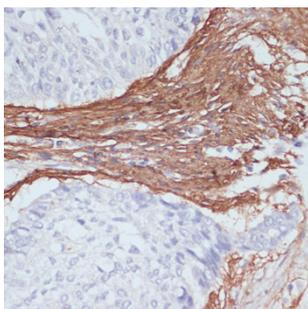
Immunogen	A synthetic peptide of human COL1A1.
Gene ID	1277
Swiss prot	P02452
Synonyms	COL1A1; EDSC; OI1; OI2; OI3; OI4; collagen alpha-1(I) chain

Product information

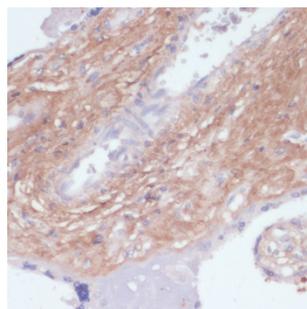
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

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 and tendon. 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. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.



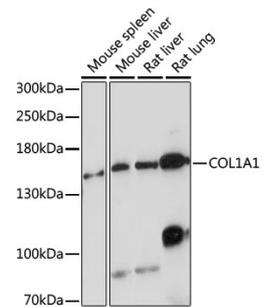
Immunohistochemistry - COL1A1 Polyclonal Antibody (A16891)



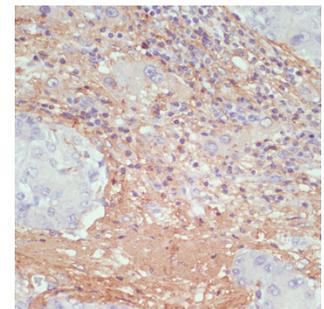
Immunohistochemistry - COL1A1 Polyclonal Antibody (A16891)

Recommended Dilutions

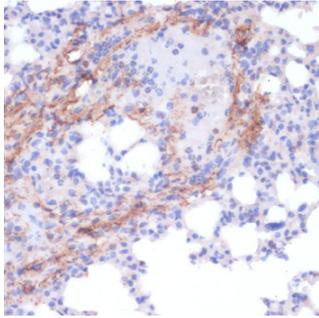
WB 1:500 -
1:1000



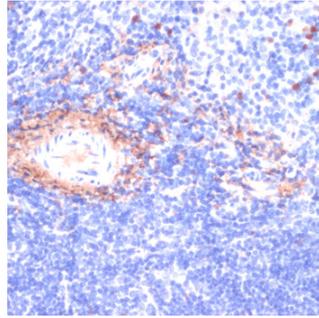
Western blot - COL1A1 Polyclonal Antibody (A16891)



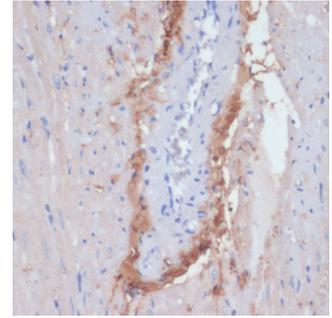
Immunohistochemistry - COL1A1 Polyclonal Antibody (A16891)



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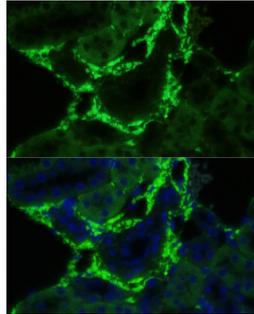
Immunohistochemistry - COL1A1
Polyclonal Antibody (A16891)



Immunohistochemistry - COL1A1
Polyclonal Antibody (A16891)



Immunohistochemistry - COL1A1
Polyclonal Antibody (A16891)



Immunofluorescence - COL1A1
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