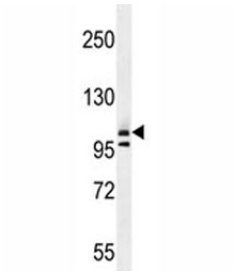
COL1A2 Antibody / Collagen Type 1 (F41539)

Catalog No.	Formulation	Size
F41539-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41539-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P08123
Applications	Western blot: 1:1000
Limitations	This COL1A2 antibody is available for research use only.



COL1A2 antibody western blot analysis in T47D lysate

Description

This gene encodes the pro-alpha2 chain 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 VIIB, recessive Ehlers-Danlos syndrome Classical type, idiopathic osteoporosis, and atypical Marfan syndrome. Symptoms associated with mutations in this gene, however, tend to be less severe than mutations in the gene for the alpha1 chain of type I collagen (COL1A1) reflecting the different role of alpha2 chains in matrix integrity. Three transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish].

Application Notes

Titration of the COL1A2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 16-43 from the human protein was used as the immunogen for this COL1A2 antibody.

Storage

Aliquot the COL1A2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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