

Anti-Collagen Type I/COL1A2 Antibody (Monoclonal, 32C14)

Catalog Number: M00624-1

About COL1A2

Predicted to be an extracellular matrix structural constituent conferring tensile strength. Acts upstream of or within response to mechanical stimulus and skeletal system development. Predicted to be located in extracellular region. Predicted to be part of collagen type I trimer. Predicted to be active in extracellular matrix. Is expressed in several structures, including cranium; dermomyotome; integument; muscle; and pectoral fin. Used to study Ehlers-Danlos syndrome and osteogenesis imperfecta. Human ortholog(s) of this gene implicated in Ehlers-Danlos syndrome (multiple); heart valve disease; intracranial aneurysm; osteogenesis imperfecta (multiple); and osteoporosis. Orthologous to human COL1A2 (collagen type I alpha 2 chain).

Overview

Product Name	Anti-Collagen Type I/COL1A2 Antibody (Monoclonal, 32C14)
Reactive Species	Human, Rat
Description	Boster Bio Anti-Collagen Type I/COL1A2 Antibody (Monoclonal, 32C14) catalog # M00624-1. Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Rat.
Application	Flow Cytometry, IF, ICC, WB
Clonality	Monoclonal 32C14
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P08123

Technical Details

Immunogen	Recombinant protein within human COL1A2 aa 1083-1364.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunocytochemistry/Immunofluorescence, 1:50-200
Flow Cytometry (Fixed), 1:50-200

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For Research Use Only. Not for use in diagnostic procedures.