

Anti-COL1A2 antibody (BL-21765)

Product information

Product name	Anti-COL1A2 antibody (BL-21765)
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 1057 and 1339 of COL1A2 (NP_000080).
Host	Rabbit
Reactivity	Human,Rat
Applications	WB,ICC/IF
Clonality	Polyclonal
Isotype	IgG
Purification	Immunogen affinity purified
Conjugate	N/A

Applications

WB	1/500 - 1/3000. Predicted molecular weight: 129 kDa.
ICC/IF	1/100 - 1/200.
IHC-Fr	N/A
IHC-P	N/A
IP	N/A

Properties

Formulation	Liquid solution
Storage buffer	Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative, 1% BSA as stablizer and 50% Glycerol.
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze/thaw cycle.
Shipped at 4°C.	Shipped at 4°C.

Background

Type I collagen, the major structural component of connective tissues such as skin, tendon and bone, is the most abundant and widely expressed collagen in humans (PMID: 7620364; 8645190; 9016532). Type I collagen is a heterotrimer comprising one

alpha 2(I) and two alpha 1(I) chains which are encoded by the unlinked loci COL1A2 and COL1A1 respectively. Type I collagen has a molecular mass of about 250-300 kDa, while the alpha 2(I) chain has a molecular weight of about 100-130 kDa. Mutations in COL1A2 gene are associated with osteogenesis imperfecta, Ehlers-Danlos syndrome, idiopathic osteoporosis, and atypical Marfan syndrome.