

Basic Information

Product Name	Anti-Collagen Type I/COL1A1 Antibody (Clone#AFD-3)		
Gene Name	COL1A1		
Source	Rabbit		
Clonality	Monoclonal		
Isotype	IgG		
Species Reactivity	human, cow		
Tested Application	WB, IHC		
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.		
Immunogen	A synthesized peptide derived from human Collagen I		
Concentration	500 ug/ml		
Purification	Affinity-chromatography		
Observed MW	130,180-200		
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200		

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

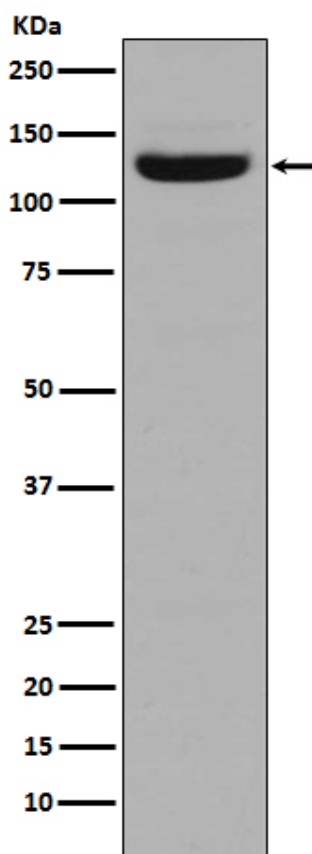
Background Information

Collagen, type I, alpha 1, also known as COL1A1, is a human gene that encodes the major component of type I collagen, the fibrillar collagen found in most connective tissues, including cartilage. This gene is mapped to 17q21.33. 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.

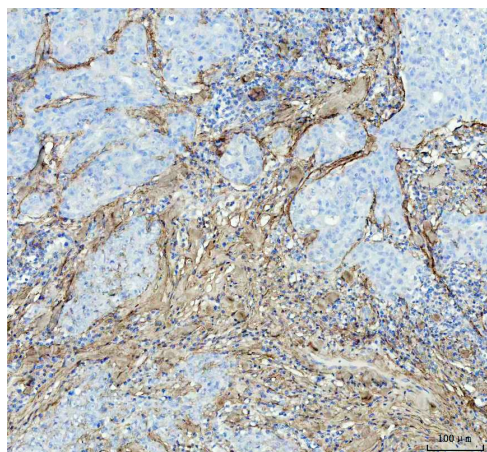
Reference

Anti-Collagen Type I/COL1A1 Antibody (Clone#AFD-3)被引用在17文献中。

Selected Validation Data



Western blot analysis of Collagen I in Human stomach tissue lysate.



IHC analysis of Collagen Type I/COL1A1 using anti-Collagen Type I/COL1A1 antibody (BM4017) .

Collagen Type I/COL1A1 was detected in a paraffin-embedded section of human breast cancer tissue. The tissue section was incubated with rabbit anti-Collagen Type I/COL1A1 Antibody (BM4017) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

Product datasheet

**Anti-Collagen Type I/COL1A1
Antibody (Clone#AFD-3)**

Catalog Number: BM4017



antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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