BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Collagen X COL10A1 Rabbit Monoclonal Antibody

Catalog Number: M01026

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Overview

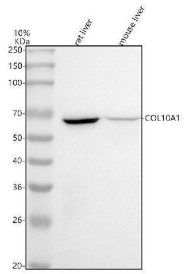
Product Name	Anti-Collagen X COL10A1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Collagen X COL10A1 Rabbit Monoclonal Antibody catalog # M01026. Tested in WB application. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Monoclonal AOAH-3
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	Q03692

Technical Details

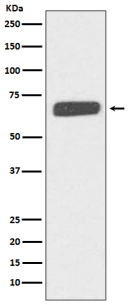
Immunogen	A synthesized peptide derived from human Collagen X
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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Anti-Collagen X COL10A1 Rabbit Monoclonal Antibody (M01026) Images



Western blot analysis of COL10A1 using anti-COL10A1 antibody (M01026). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat liver tissue lysates, Lane 2: mouse liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-COL10A1 antigen affinity purified monoclonal antibody (Catalog # M01026) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for COL10A1 at approximately 66 kDa. The expected band size for COL10A1 is at 66 kDa.



Western blot analysis of Collagen X expression in human fetal skin lysate.

1 Publications Citing This Product

1. PubMed ID: -, Chaoyue Hong,Yi Tang,Xiu Hu,Xiwen Song,Yun Cai,Zhaohui Song,Feiwu Kang,Partial deficiency of HIF-1alpha in chondrocytes effected bone repair of mandibular condylar neck, Archives of Oral Biology, 2020, 105023, ISSN 0003-9969, https://doi.org/10.1016/j.archora

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