

Basic Information

Product Name	Anti-COL10A1 Antibody (Clone#AOAH-3)
Gene Name	COL10A1
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
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 X
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	66 kDa
Dilution Ratios	Western blot (WB):1:500-2000

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

This gene encodes the alpha chain of type X collagen, a short chain collagen expressed by hypertrophic chondrocytes during endochondral ossification. Unlike type VIII collagen, the other short chain collagen, type X collagen is a homotrimer. Mutations in this gene are associated with Schmid type metaphyseal chondrodysplasia (SMCD) and Japanese type spondylometaphyseal dysplasia (SMD).

Reference

Anti-COL10A1 Antibody (Clone#AOAH-3)被引用在3文献中。

Selected Validation Data

Product datasheet
Anti-COL10A1 Antibody
(Clone#AOAH-3)
Catalog Number: BM4893

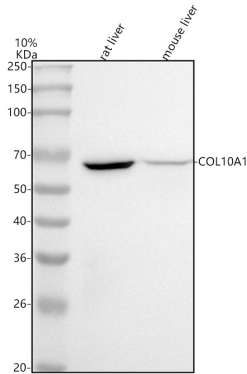
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Western blot analysis of anti-COL10A1 antibody (BM4893). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Raji whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-COL10A1 antigen affinity purified monoclonal antibody (BM4893) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for COL10A1 at approximately 66 kDa. The expected band size for COL10A1 is at 66 kDa.