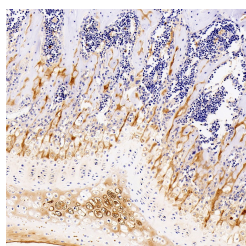


## COL2A1 Monoclonal Antibody

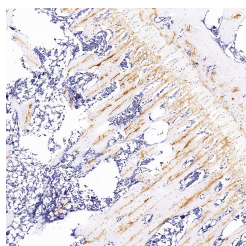
<b>Catalog No.</b>	E-AB-70295	<b>Reactivity</b>	M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Mouse
<b>Applications</b>	IHC	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry analysis of paraffin-embedded mouse bone using COL2A1 Monoclonal Antibody at dilution of 1:400.



Immunohistochemistry analysis of paraffin-embedded rat bone using COL2A1 Monoclonal Antibody at dilution of 1:300.

### Immunogen Information

<b>Immunogen</b>	Recombinant protein corresponding to Mouse collagen II
<b>Swissprot</b>	P28481
<b>Synonyms</b>	AOM,Cartilage collagen,Chondrocalcin,CO2A1,COL11A3,Col2a1,Collagen II alpha 1 polypeptide,SEDC

### Product Information

<b>Buffer</b>	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
<b>Purify</b>	Affinity purification
<b>Clone No.</b>	2F12D3
<b>Dilution</b>	IHC 1:300-1:1000

### Background

This gene encodes the alpha-1 chain of type II collagen, a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutations in this gene are associated with achondrogenesis, chondrodysplasia, early onset familial osteoarthritis, SED congenita, Langer-Saldino achondrogenesis, Kniest dysplasia, Stickler syndrome type I, and spondyloepimetaphyseal dysplasia Strudwick type. In addition, defects in processing chondrocalcin, a calcium binding protein that is the C-propeptide of this collagen molecule, are also associated with chondrodysplasia. There are two transcripts identified for this gene.

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