

## COL2A1

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**Reactivity:**Mouse

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**142kD

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human COL2A1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ANFH;AOM;COL11A3;MGC131516;SEDC;

**Catalog #:**A1560

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1280

**Isotype:**IgG

**Swiss Prot:**P02458

**Purity:**Affinity purification

For research use only.

**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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