

COL2A1

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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