# Collagen II Rabbit pAb

Catalog No.: A24334 2 Publications



## **Basic Information**

#### **Observed MW**

36 kDa

### **Calculated MW**

142kDa

#### Category

Primary antibody

## **Applications**

WB,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

# **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.

## **Recommended Dilutions**

**WB** 1:1000 - 1:3000

**ELISA** 

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

# **Immunogen Information**

**Gene ID Swiss Prot** 1280 P02458

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

AOM; ANFH; SEDC; STL1; COL11A3; Collagen II

## **Contact**

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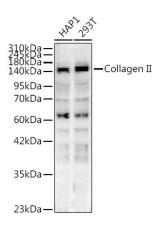
## **Product Information**

**Purification** Source Isotype Rabbit IgG Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol,pH7.3.



Western blot analysis of various lysates using Collagen II Rabbit pAb (A24334) at 1:400 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.