

# COL9A1 Rabbit Polyclonal Antibody



CAB17460

## Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

Refer to figures

**Calculated MW:**

35kDa/64kDa/91kDa

**Applications:**

WB

**Reactivity:**

Human, Mouse, Rat

## Protein Background

This gene encodes one of the three alpha chains of type IX collagen, which is a minor (5-20%) collagen component of hyaline cartilage. Type IX collagen is usually found in tissues containing type II collagen, a fibrillar collagen. Studies in knockout mice have shown that synthesis of the alpha 1 chain is essential for assembly of type IX collagen molecules, a heterotrimeric molecule, and that lack of type IX collagen is associated with early onset osteoarthritis. Mutations in this gene are associated with osteoarthritis in humans, with multiple epiphyseal dysplasia, 6, a form of chondrodysplasia, and with Stickler syndrome, a disease characterized by ophthalmic, orofacial, articular, and auditory defects. Two transcript variants that encode different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

## Immunogen information

**Gene ID:**

1297

**Uniprot**

P20849

## Antibody Information

**Recommended dilutions:**

WB 1:500 - 1:2000

**Source:**

Rabbit

**Immunogen:**

Recombinant fusion protein containing a sequence corresponding to amino acids 20-270 of human COL9A1 (NP\_001842.3).

**Isotype:**

IgG

**Storage:**

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

**Purification:**

Affinity purification

## Product Images

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