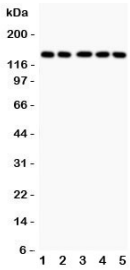
# Collagen 2 Antibody / COL2A1 (R31259)

| Catalog No. | Formulation | Size |
|---|---|---|
| R31259 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| **UniProt** | P02458 |
| **Applications** | Western Blot : 0.5-1ug/ml |
| **Limitations** | This Collagen 2 antibody is available for research use only. |




Western blot testing of Collagen 2 antibody and human samples 1: COLO320; 2: HeLa; 3: MCF-7; 4: A549; 5: Jurkat lysate. Predicted molecular weight ~140 kDa.

## Description

Collagen type 2 alpha 1, also known as COL2A1, is a human gene which is the major collagen synthesized by chondrocytes. COL2A1 is mapped to 12q13.11. 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.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Collagen 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human COL2A1 (AFAGLGPREKGPDPLQYMRA) was used as the immunogen for this Collagen 2 antibody.

## Storage

After reconstitution, the Collagen 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


Copyright © NSJ Bioreagents. All rights reserved.