

# Anti-Collagen II Antibody

## ER1906-48



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Rabbit
<b>Applications:</b>	WB, IHC-P, IF-Tissue
<b>Molecular Wt:</b>	117 KDa

**Description:** 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.

**Immunogen:** KLH conjugated synthetic peptide derived from human Collagen II 1201-1300/1487

**Positive control:** Isoform 2 is highly expressed in juvenile chondrocyte and low in fetal chondrocyte.

**Subcellular location:** Secreted, extracellular space, extracellular matrix.

**Database links:** SwissProt: P02458 Human

### Recommended Dilutions:

<b>WB</b>	1:500-2000
<b>IHC-P</b>	1:100-500
<b>IF-tissue</b>	1:100-500

**Storage Buffer:** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**Storage Instruction:** Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

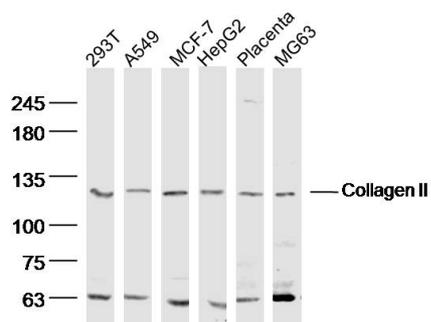
Orders:0086-571-88062880

Technical:0086-571-89986345

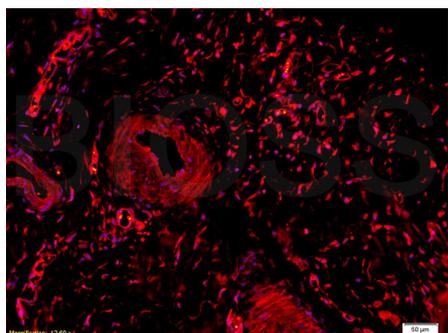
Service mail:support@huabio.cn

 华安生物  
HUABIO  
www.huabio.cn

## Images

**Fig1: Sample:**

293T (human) Cell Lysate at 40 ug  
 A549 (human) Cell Lysate at 40 ug  
 MCF-7 (human) Cell Lysate at 40 ug  
 HepG2 (human) Cell Lysate at 40 ug  
 Placenta (mouse) Lysate at 40 ug  
 MG63 (human) Cell Lysate at 40 ug  
 Primary: Anti- Collagen II (ER1906-48) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 117 kD  
 Observed band size: 120 kD

**Fig2: Tissue/cell:** rabbit meniscus tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-Collagen II Polyclonal Antibody, Unconjugated(ER1906-48) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml, blue, C-0033) was used to stain the cell nuclei

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

华安生物  
HUABIO  
www.huabio.cn