

Collagen II Chondrocalcin Antibody HRP Conjugated

Catalog No: #C01601H

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Description

Product Name	Collagen II Chondrocalcin Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB
Species Reactivity	Hu Ms
Immunogen Description	KLH conjugated synthetic peptide derived from human Collagen II
Conjugates	HRP
Target Name	Collagen II Chondrocalcin
Other Names	Collagen II alpha 1; COL2A1; COL2A1 protein; collagen, type II, alpha 1; collagen alpha-1II; type II collagen; alpha-1 type II collagen; alpha1 type II collagen; Col2a1; AOM; Cartilage collagen; Chondrocalcin; COL11A3; Collagen alpha 1II chain precursor; Collagen type II alpha 1 primary osteoarthritis
Excitation Emission	N A
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000

Background

Collagens are highly conserved throughout evolution and are characterized by an uninterrupted "Glycine-X-Y" triplet repeat that is a necessary part of the triple helical structure. For these reasons it is often extremely difficult to generate with specificities to collagens. The development of type specific is dependent on NON DENATURED three dimensional epitopes. This may result in diminished reactivity of some with denatured collagen or formalin fixed, paraffin embedded tissues. Type II collagen is a fibrillar collagen found in cartilage and the vitreous humor of the eye. Collagen type II is essential for the normal embryonic development of the skeleton, for linear growth and for the ability of cartilage to resist compressive forces. 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.

Note: This product is for in vitro research use only