

Anti-Collagen II Rabbit pAb



WL03082

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Collagen II Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:500
	IF	1:500
Cellular localization	Secreted, extracellular space, extracellular matrix	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	Collagen II is 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.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Collagen II.
Purification	Polyclonal antibody was purified by protein A affinity chromatography.

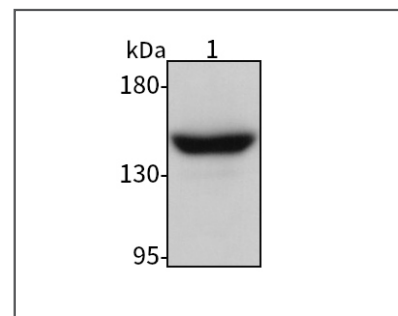
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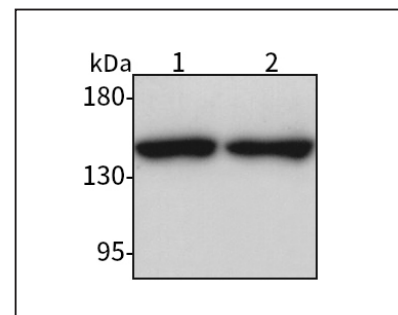
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Product Images



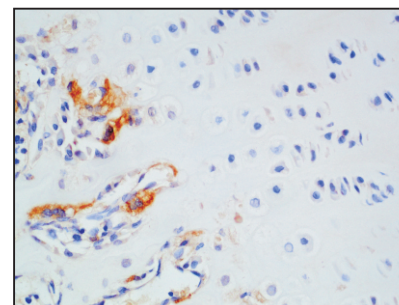
Western blot-Anti-Collagen II pAb

Lane 1: Human THP-1 cell lysate
 All lanes: Anti-Collagen II at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 141 kDa
 Observed band size: 141 kDa



Western blot-Anti-Collagen II pAb

Lane 1: Mouse cartilage tissue lysate
 Lane 2: Rat cartilage tissue lysate
 All lanes: Anti-Collagen II at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 141 kDa
 Observed band size: 141 kDa



Immunohistochemistry-Anti-Collagen II pAb

Immunohistochemical analysis of paraffin-embedded mouse femur using anti-Collagen II Rabbit Antibody at 1:500 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

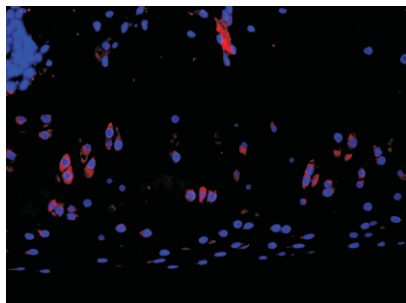
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Immunofluorescence-Anti-Collagen II pAb

Immunofluorescence analysis of paraffin-embedded rat femur using anti-Collagen II Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0