Product datasheet for AP11379PU-N

Collagen II (COL2A1) Rabbit Polyclonal Antibody

Product data:

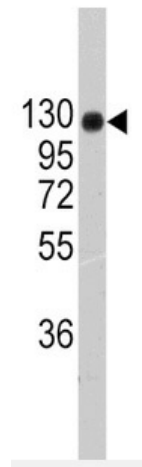|	
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	**Western blot:** 1/1000.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1209-1237 amino acids from the C-terminal region of human COL2A1.
Specificity:	This antibody detects COL2A1 at C-term.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	141785 Da
Gene Name:	collagen type II alpha 1 chain
Database Link:	Entrez Gene 1280 Human P02458

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Background: Alpha-1 chain of type II collagen is a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutant forms of this protein 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.

Synonyms: COL2A1, Alpha-1 type II collagen

Product images:

Western blot analysis of anti-COL2A1 (C-term) in 293 cell line lysates (35ug/lane). COL2A1 (arrow) was detected using the purified Pab.