

Rabbit anti-Human, Mouse COL2A1 Polyclonal Antibody | anti-COL2A1 antibody

COL2A1 Antibody

CATALOG # AAA167834	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
-------------------------------	-----------------------	-----------------------------------	-------------------------------------

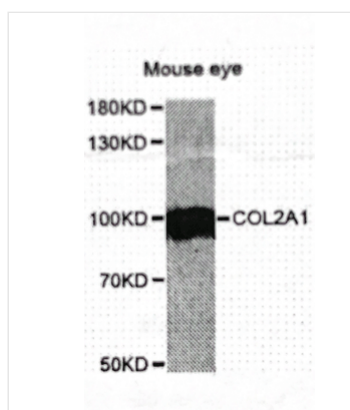
PRODUCT SYNONYMS

COL2A1; Polyclonal Antibody; COL2A1 Antibody; ANFH; AOM; COL11A3; MGC131516; SEDC; STL1; anti-COL2A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.4
Concentration	1mg/mL (varies by lot)
Sequence Length	1487
Applicable Applications for anti-COL2A1 antibody	WB (Western Blot)
Immunogen	Recombinant protein of human COL2A1
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-7764 / sc-7763 / sc-28887
Note	Centrifuge before opening to ensure complete recovery of vial contents.
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of mouse eye, using COL2A1 polyclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-COL2A1 antibody	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.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	111118976
NCBI GeneID	1280
NCBI Accession #	NP_001835.3
NCBI GenBank Nucleotide #	NM_001844.4
Molecular Weight	Calculated MW: 29kDa/134kDa/141kDa Observed MW: 100kDa
NCBI Official Full Name	collagen alpha-1(II) chain isoform 1
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	COL2A1
NCBI Official Synonym Symbols	AOM; ANFH; SEDC; STL1; COL11A3
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; alpha-1 type II collagen; arthroophthalmopathy, progressive (Stickler syndrome); cartilage collagen; chondrocalcin; collagen II, alpha-1 polypeptide
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	COL2A1
UniProt Entry Name	CO2A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/col2a1-antibody-western-blot-elisa/167834>