

Mouse anti-Mouse, Rat COL2A1 Monoclonal Antibody | anti-COL2A1 antibody

COL2A1 Monoclonal Antibody

CATALOG # AAA174533	HOST Mouse	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry
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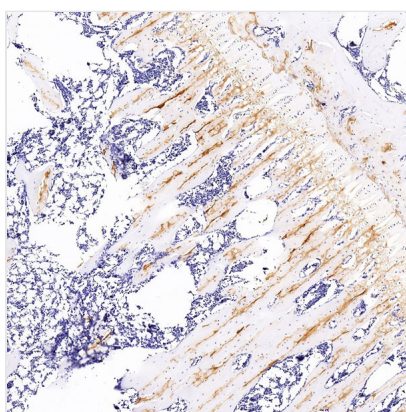
PRODUCT SYNONYMS

COL2A1; Monoclonal Antibody; COL2A1 Monoclonal Antibody; Alpha 1 type II collagen; Alpha-1 type II collagen; AOM; Cartilage collagen; Chondrocalcin; CO2A1; COL11A3; Col2a1; Collagen II alpha 1 polypeptide; SEDC; anti-COL2A1 antibody

PRODUCT SPECIFICATIONS

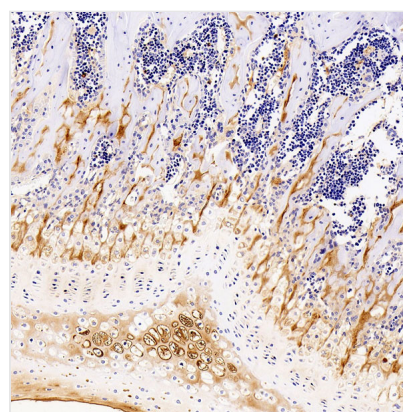
Host	Mouse
Reactivity	Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	2F12D3
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 1% BSA and 50% glycerol, pH7.4
Applicable Applications for anti-COL2A1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant protein corresponding to Mouse collagen II
Conjugation	Unconjugated
NOTE	Centrifuge before opening to ensure complete recovery of vial contents.
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded rat bone using COL2A1 Monoclonal Antibody at dilution of 1:300.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded mouse bone using COL2A1 Monoclonal Antibody at dilution of 1:400.

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 Cpropeptide of this collagen molecule, are also associated with chondrodysplasia. There are two transcripts identified for this gene.
Product Categories/Family for anti-COL2A1 antibody	Cancer ; Signal transduction ; Stem cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	169658375
NCBI GeneID	12824
NCBI Accession #	NP_001106987.2
NCBI GenBank Nucleotide #	NM_001113515.2
UniProt Accession #	P28481; Q61428; Q62031; Q62032; Q62033; Q641K3; Q6LDB1; Q6LDI8; Q6LDI9; Q80VY3; Q80X38; Q8CEF7
NCBI Official Full Name	collagen alpha-1(II) chain isoform 2
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	Col2a1
NCBI Official Synonym Symbols	Dmm; Lpk; Col2; Del1; Col2a; Col2a-1; M100413; Rgsc413; Rgsc856
NCBI Protein Information	collagen alpha-1(II) chain
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	Col2a1

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://www.aaabiotech.com/monoclonal/col2a1-antibody-clone-2f12d3-immunohistochemistry-elisa/174533>