

Mouse Collagen Type II Monoclonal Antibody | anti-COL2A1 antibody

Collagen Type II antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74343	Mouse	Chicken, Human, Mouse, Salamander	Western Blot, Immunohistochemistry, Immunofluorescence

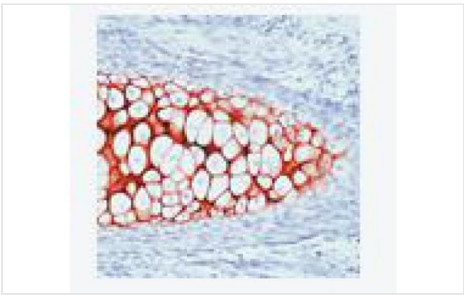
PRODUCT SYNONYMS

Collagen Type II; Monoclonal Antibody; Collagen Type II antibody; Monoclonal Collagen Type II; Anti-Collagen Type II; Chondrocalcin; COL11A3; Cartilage collagen; COL2A1; anti-COL2A1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Chicken, Human, Mouse, Salamander
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6B3
Purity/Purification	Collagen Type II antibody was purified by Protein G chromatography.
Form/Format	Antibody purified from Ascites fluid by Protein G Chromatography and supplied in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% NaN ₃ .
Concentration	0.2 mg/ml (varies by lot)
Sequence Length	1487
Applicable Applications for anti-COL2A1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	Collagen is a group of naturally occurring proteins. In nature, it is found exclusively in animals, especially in the flesh and connective tissues of mammals. Type-II collagen is the basis for articular cartilage and hyaline cartilage. It makes up 50% of all protein in cartilage and 85-90% of collagen of articular cartilage. Type II collagen does form fibers. This fibrillar network of collagen allows cartilage to entrap the proteoglycan aggregate as well as provide tensile strength to the tissue.
Cross-Reactivity	Chicken, human, mouse, salamander
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Immunogen	Collagen type II antibody was raised in mouse using purified type II collagen as the immunogen.
Preparation and Storage	Store at 4 degree C.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human fetus stained with Collagen II antibody using peroxidase-conjugate and AEC chromogen. Note staining of matrix in the cartilaginous plates.

ADDITIONAL INFORMATION

Related Product Information for anti-COL2A1 antibody	Mouse monoclonal Collagen Type II antibody
Product Categories/Family for anti-COL2A1 antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	95132445
NCBI GeneID	1280
UniProt Accession #	P02458; Q12985; Q14009; Q14044; Q14045; Q14046; Q14047; Q14056; Q14058; Q16672; Q1JQ82; A6NGA0
Molecular Weight	29,781 Da
NCBI Official Full Name	Collagen, type II, alpha 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
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.