

ARG24005 anti-Collagen XI antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Collagen XI
Tested Reactivity	Bov
Tested Application	ELISA, ICC/IF, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Collagen XI
Species	Bovine
Immunogen	Type XI collagen extracted from Bovine cartilage.
Conjugation	Un-conjugated
Alternate Names	STL2; COLL6; CO11A1; Collagen alpha-1(XI) chain

Application Instructions

Application table	Application	Dilution
	ELISA	1:2000
	ICC/IF	1:40
	IHC-P	1:500

Application Note IHC-P: Antigen Retrieval: treat sections with 0.5% hyaluronidase at RT for 1hr before staining.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

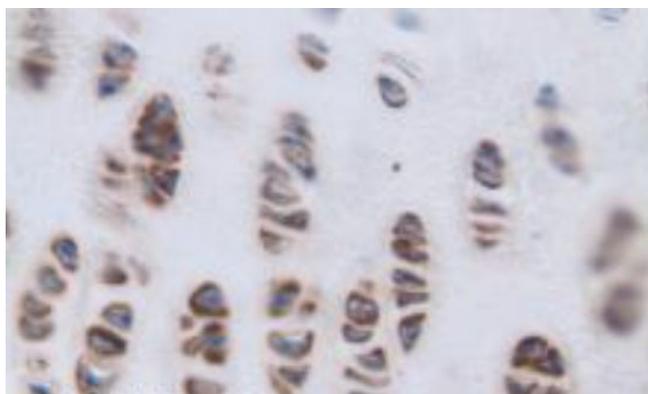
Form	Liquid
Purification	Purified.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	COL11A1
Gene Full Name	collagen, type XI, alpha 1

Background	This gene encodes one of the two alpha chains of type XI collagen, a minor fibrillar collagen. Type XI collagen is a heterotrimer but the third alpha chain is a post-translationally modified alpha 1 type II chain. Mutations in this gene are associated with type II Stickler syndrome and with Marshall syndrome. A single-nucleotide polymorphism in this gene is also associated with susceptibility to lumbar disc herniation. Multiple transcript variants have been identified for this gene. [provided by RefSeq, Nov 2009]
Function	May play an important role in fibrillogenesis by controlling lateral growth of collagen II fibrils. [UniProt]
Calculated Mw	181 kDa
PTM	Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains. N-glycosylated. [UniProt]
Cellular Localization	Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG24005 anti-Collagen XI antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Bovine cartilage tissue stained with ARG24005 anti-Collagen XI antibody.