

Product datasheet

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ARG24010 anti-Collagen V antibody

Package: 50 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes Collagen V

Tested Reactivity Bov, Chk

Tested Application ELISA, ICC/IF, IHC-P

Specificity Cross-reactivity with Bovine type V collagen.

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name Collagen V
Species Chicken

Immunogen Type V collagen extracted from Chicken skin.

Conjugation Un-conjugated

Alternate Names EDSC; Collagen alpha-1(V) chain

Application Instructions

Application table	Application	Dilution
	ELISA	1:2000
	ICC/IF	1:40
	IHC-P	1:500
Application Note	* The dilutions indicate recomm should be determined by the sci	ended starting dilutions and the optimal dilutions or concentrations entist.

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 Full Name collagen, type V, alpha 1

Background This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen

molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. The encoded procollagen protein occurs commonly as the heterotrimer pro-alpha1(V)-pro-alpha1(V)-pro-alpha2(V). Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II. Alternative splicing of this gene results in multiple transcript variants.

[provided by RefSeq, May 2013]

Function Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective

tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate,

thrombospondin, heparin, and insulin. [UniProt]

Calculated Mw 184 kDa

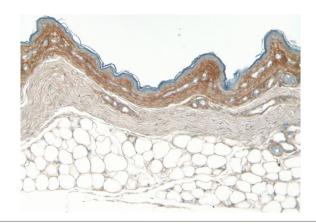
PTM Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of

the chains.

Sulfated on 40% of tyrosines. [UniProt]

Cellular Localization Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG24010 anti-Collagen V antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Chicken skin tissue stained with ARG24010 anti-Collagen V antibody.