

ARG24016 anti-Collagen V antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Collagen V
Tested Reactivity	Rat, Bov
Tested Application	ELISA, ICC/IF, IHC-P, WB
Specificity	Cross-reactivity is with Bovine type V collagen.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Collagen V
Species	Rat
Immunogen	Type V collagen extracted from Rat 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
	WB	Assay-dependent
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.	

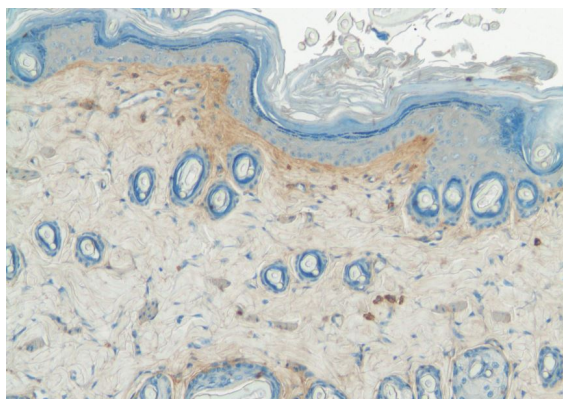
Properties

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	COL5A1
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



ARG24016 anti-Collagen V antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat skin tissue stained with ARG24016 anti-Collagen V antibody.