

ARG20790 anti-Collagen V antibody, pre-adsorbed

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Collagen V
Tested Reactivity	Hu, Ms, Chk, Pig
Tested Application	ELISA, EM, ICC/IF, IHC-Fr, IHC-P, WB
Specificity	The antibody reacts with conformational determinants on type V collagen. The antibody is pre-adsorbed with Collagen types I, II, III, IV and VI, so the antibody may not react with Collagen types I, II, III, IV and VI.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Collagen V
Species	Human
Immunogen	Collagen V
Conjugation	Un-conjugated
Alternate Names	EDSC; Collagen alpha-1(V) chain

Application Instructions

Pre Adsorbed	Collagen types I, II, III, IV and VI.															
Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>ELISA</td><td>Assay-dependent</td></tr><tr><td>EM</td><td>Assay-dependent</td></tr><tr><td>ICC/IF</td><td>Assay-dependent</td></tr><tr><td>IHC-Fr</td><td>Assay-dependent</td></tr><tr><td>IHC-P</td><td>Assay-dependent</td></tr><tr><td>WB</td><td>Assay-dependent</td></tr></tbody></table>		Application	Dilution	ELISA	Assay-dependent	EM	Assay-dependent	ICC/IF	Assay-dependent	IHC-Fr	Assay-dependent	IHC-P	Assay-dependent	WB	Assay-dependent
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Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.															

Properties

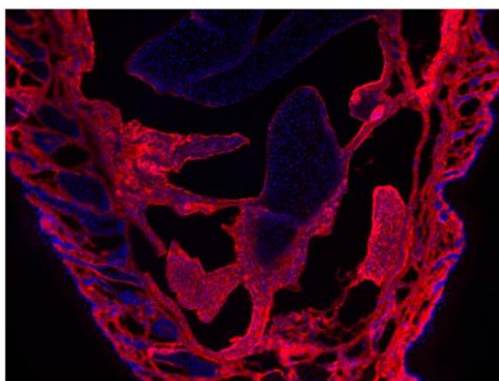
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	BBS (pH 8.2)

Concentration	0.4 mg/ml
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

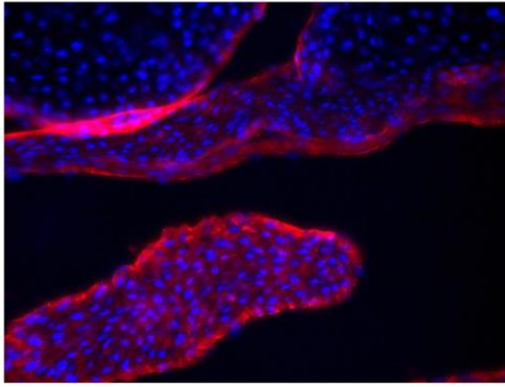
Database links	GeneID: 12831 Mouse GeneID: 1289 Human Swiss-port # O88207 Mouse Swiss-port # P20908 Human
Gene Symbol	COL5A1
Gene Full Name	collagen, type V, alpha 1
Background	This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers 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.

Images



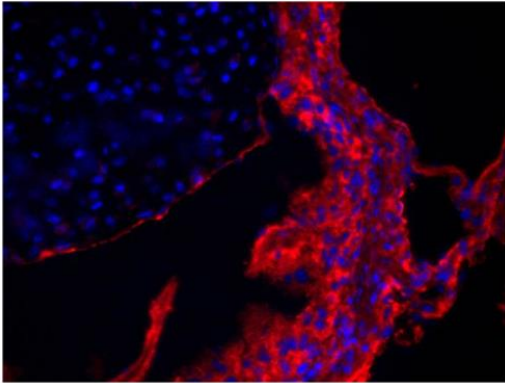
ARG20790 anti-Collagen V antibody (pre-adsorbed) IHC-Fr image

Immunohistochemistry: Frozen section of newborn Mouse cartilage tissue stained with ARG20790 anti-Collagen V antibody (pre-adsorbed) followed by Donkey anti-Goat IgG (H+L) antibody (Alexa Fluor® 555) and DAPI.



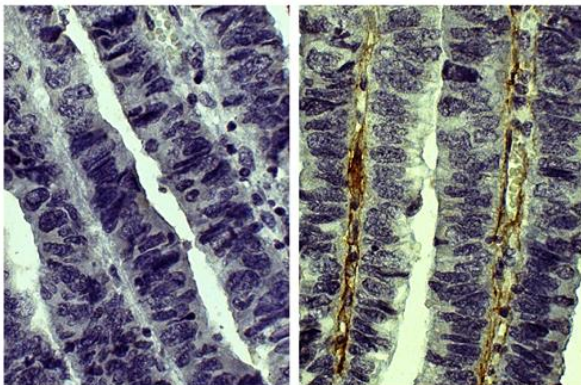
ARG20790 anti-Collagen V antibody (pre-adsorbed) IHC-Fr image

Immunohistochemistry: Frozen section of newborn Mouse cartilage tissue stained with ARG20790 anti-Collagen V antibody (pre-adsorbed) followed by Mouse anti-Goat Ig Fc (Alexa Fluor® 555) and DAPI.



ARG20790 anti-Collagen V antibody (pre-adsorbed) IHC-Fr image

Immunohistochemistry: Frozen section of newborn Mouse cartilage tissue stained with ARG20790 anti-Collagen V antibody (pre-adsorbed) followed by Donkey anti-Goat IgG (H+L) antibody (Alexa Fluor® 555) and DAPI.



ARG20790 anti-Collagen V antibody (pre-adsorbed) IHC-P image

Immunohistochemistry: Paraffin-embedded Human gastric cancer tissue stained with [ARG23772](#) Goat IgG Isotype Control antibody (left) and ARG20790 anti-Collagen V antibody (pre-adsorbed) (right) followed by [ARG23857](#) Swine anti-Goat IgG (H+L) antibody (HRP) (pre-adsorbed), DAB and hematoxylin.