

ARG20793 anti-Collagen VI antibody (Biotin), pre-adsorbed

Package: 100 µg
Store at: 4°C

Summary

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

Application Instructions

Pre Adsorbed	Collagen types I, II, III, IV and V.														
Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>ELISA</td><td>1:1000 - 1:4000</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	1:1000 - 1:4000	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.														
Calculated Mw	109 kDa														

Properties

Form	Liquid
Purification	Affinity purification with immunogen.

Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.4 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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: 12833 Mouse GeneID: 1291 Human Swiss-port # P12109 Human Swiss-port # Q04857 Mouse
Gene Symbol	COL6A1
Gene Full Name	collagen, type VI, alpha 1
Background	The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple-helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha1(VI), alpha2(VI), and alpha3(VI) chains. The alpha2(VI) and alpha3(VI) chains are encoded by the COL6A2 and COL6A3 genes, respectively. The protein encoded by this gene is the alpha 1 subunit of type VI collagen (alpha1(VI) chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy. [provided by RefSeq, Jul 2008]
Function	Collagen VI acts as a cell-binding protein. [UniProt]