

Rabbit anti-Human COL14A1 Polyclonal Antibody | anti-COL14A1 antibody

COL14A1 Antibody (Center)

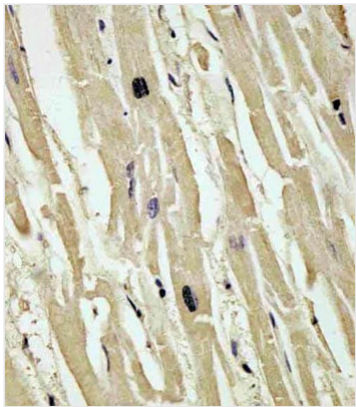
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290901	Rabbit	Human	ELISA, Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

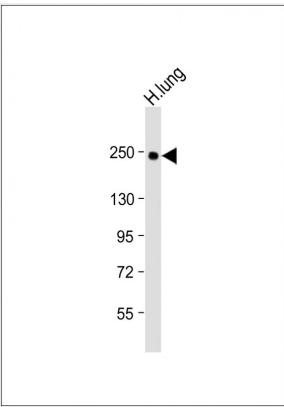
COL14A1; Polyclonal Antibody; COL14A1 Antibody (Center); Purified Rabbit Polyclonal Antibody (Pab); Collagen alpha-1(XIV) chain; Undulin; UND; anti-COL14A1 antibody

PRODUCT SPECIFICATIONS

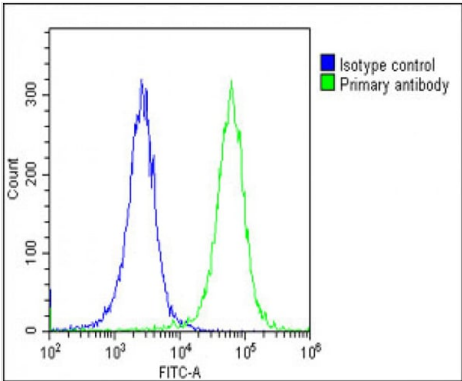
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This COL14A1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 643-677 amino acids from the Central region of human COL14A1.
Purity/Purification	Purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	1796
Applicable Applications for anti-COL14A1 antibody	ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antigen Type	Synthesized Peptide
Antigen Source	Human
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250 UniProtKB:P32018}
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
Staining COL14A1 in human heart tissue sections by Immunohistochemistry(IHC-P - paraformaldehyde-fixed,paraffin-embedded sections). Tissue was fixedwith formaldehyde and blocked with 3% BSAfor 0. 5 hour at room temperature; antigenretrieval was by heat mediation with a citratebuffer (pH6). Samples were incubated withprimary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibodywas used as the secondary antibody.



WB (Western Blot)
Anti-COL14A1 Antibody (Center) at 1:2000 dilution + Human lung lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 194 kDaBlocking/Dilution buffer: 5% NFDm/TBST.



FCM/FACS (Flow Cytometry)
Overlay histogram showing Hela cells stained with AP22329c(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22329c, 1:25 dilution) for 60 min at 37 degree C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 degree C. Isotype control antibody (blue line) was rabbit IgG1 (1mg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ADDITIONAL INFORMATION

Related Product Information for anti-COL14A1 antibody	Plays an adhesive role by integrating collagen bundles. It is probably associated with the surface of interstitial collagen fibrils via COL1. The COL2 domain may then serve as a rigid arm which sticks out from the fibril and protrudes the large N-terminal globular domain into the extracellular space, where it might interact with other matrix molecules or cell surface receptors (By similarity).
Product Categories/Family for anti-COL14A1 antibody	Primary Antibodies; Signal Transduction
References	Nusbaum C.,et al.Nature 439:331-335(2006). Bauer M.,et al.Biochim. Biophys. Acta 1354:183-188(1997). Just M.,et al.J. Biol. Chem. 266:17326-17332(1991). Brown J.C.,et al.Matrix Biol. 14:287-295(1994). Schuppan D.,et al.J. Biol. Chem. 265:8823-8832(1990).

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743096
NCBI GeneID	7373

NCBI Accession #	NP_066933.1
NCBI GenBank Nucleotide #	NM_021110.3
UniProt Accession #	Q05707; O00260; O00261; O00262; Q05708; Q5XJ18; Q96C67; Q9UDF6; B2RU07
Molecular Weight	193515
NCBI Official Full Name	collagen alpha-1(XIV) chain
NCBI Official Synonym Full Names	collagen type XIV alpha 1 chain
NCBI Official Symbol	COL14A1
NCBI Official Synonym Symbols	UND
NCBI Protein Information	collagen alpha-1(XIV) chain
UniProt Protein Name	Collagen alpha-1(XIV) chain
UniProt Gene Name	COL14A1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/col14a1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/290901>