

Rabbit anti-Human, Mouse Collagen XIII alpha1 Polyclonal Antibody | anti-COL13A1 antibody

Collagen XIII alpha1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324242	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

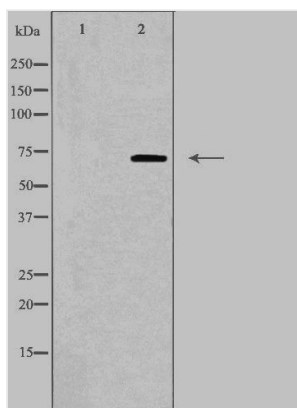
PRODUCT SYNONYMS

Collagen XIII alpha1; Polyclonal Antibody; Collagen XIII alpha1 Antibody; anti-COL13A1 antibody

PRODUCT SPECIFICATIONS

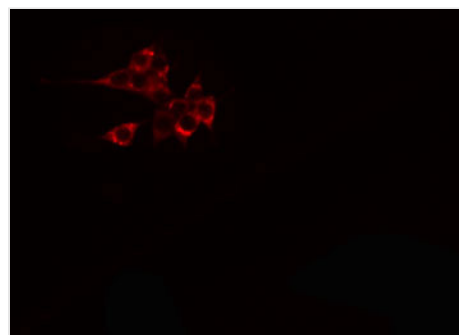
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Collagen XIII alpha1 antibody detects endogenous levels of total Collagen XIII alpha1
Purity/Purification	Peptide affinity purification
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	717
Applicable Applications for anti-COL13A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human collagen XIII alpha 1, corresponding to a region within the c-terminal amino acids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using Collagen XIII alpha1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324242 staining NIH-3T3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-COL13A1 antibody	Function: Involved in cell-matrix and cell-cell adhesion interactions that are required for normal development. May participate in the linkage between muscle fiber and basement membrane. May play a role in endochondral ossification of bone and branching morphogenesis of lung. Binds heparin. At neuromuscular junctions, may play a role in acetylcholine receptor clustering (PubMed:26626625). Subunit Structure: Homotrimer; disulfide-linked. Nucleation of the type XIII collagen triple helix is likely to occur at the N-terminal region with triple helix formation proceeding from the N-to the C-terminus. Interacts with FN1, perlecan/HSPG2 and NID2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194294532
NCBI GeneID	1305
NCBI Accession #	NP_001123575.1
NCBI GenBank Nucleotide #	NM_001130103.1
UniProt Accession #	Q5TAT6; Q13992; Q13993; Q13994; Q13995; Q13996; Q5TAT4; Q5TAT5; Q7KZ33; A6NFR5; B9EGD2; E7EWL8
Molecular Weight	70kDa
NCBI Official Full Name	collagen alpha-1(XIII) chain isoform 1
NCBI Official Synonym Full Names	collagen type XIII alpha 1 chain
NCBI Official Symbol	COL13A1
NCBI Official Synonym Symbols	CMS19; COLXIIIA1
NCBI Protein Information	collagen alpha-1(XIII) chain
UniProt Protein Name	Collagen alpha-1(XIII) chain
UniProt Gene Name	COL13A1

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/collagen-xiii-alpha1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324242>