

Rabbit anti-Human COL1A1 Polyclonal Antibody | anti-COL1A1 antibody

COL1A1 Antibody

CATALOG # AAA225826	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

COL1A1; Polyclonal Antibody; COL1A1 Antibody; Rabbit Polyclonal COL1A1 Antibody; Polyclonal COL1A1 antibody; Anti-COL1A1 antibody; COL1 A1 antibody; COL1-A1 antibody; collagen type I alpha 1 antibody; OI4 antibody; anti-COL1A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	human
Purity/Purification	Affinity Chromatography
Form/Format	Supplied in liquid form in PBS buffer
Sequence Length	33
Applicable Applications for anti-COL1A1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Peptide from the human collagen I alpha1 telopeptide sequence.
Cross-Reactivity	Human, mouse, rat and sheep. Based on the homology of the immunogen this antibody is expected to recognize the collagen I ?1 polypeptide in all mammals, birds, and amphibians

IMAGES


WB (Western Blot)

Western blot of rat lung lysate showing specific immunolabeling of ~ 140 k collagen protein


IF (Immunofluorescence)

Immunofluorescent staining of formaldehyde-fixed fibrotic mouse lung tissue. The antibody recognizes mature collagen I (red) that has formed fibrils in the extracellular matrix.

ADDITIONAL INFORMATION

Related Product Information for anti-COL1A1 antibody	COL1A1 encodes the pro-alpha1 chains of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor.
Product Categories/Family for anti-COL1A1 antibody	DNA & RNA

NCBI AND UNIPROT INFORMATION

NCBI GI #	514252354
NCBI GeneID	1277
Molecular Weight	140 Kda
NCBI Official Full Name	COL1A1, partial
NCBI Official Synonym Full Names	collagen type I alpha 1 chain
NCBI Official Symbol	COL1A1
NCBI Official Synonym Symbols	OI1; OI2; OI3; OI4; EDSC; EDSARTH1
NCBI Protein Information	collagen alpha-1(I) chain

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/col1a1-antibody-immunohistochemistry-western-blot-elisa/225826>