

Rabbit anti-Mouse, Rat COL1A1 Polyclonal Antibody | anti-COL1A1 antibody

COL1A1 Polyclonal Antibody

CATALOG # AAA174542	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry
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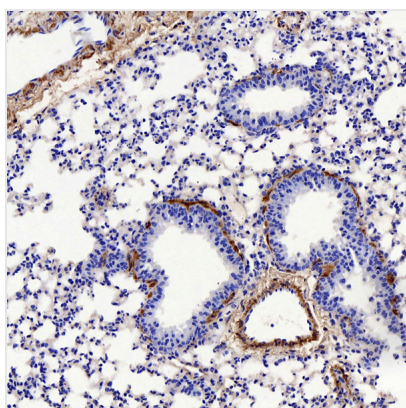
PRODUCT SYNONYMS

COL1A1; Polyclonal Antibody; COL1A1 Polyclonal Antibody; Alpha 1 type I collagen; Alpha-1 type I collagen; CO1A1; Collagen alpha-1(I) chain; Collagen type I alpha 1; Procollagen type I C terminal propeptide; anti-COL1A1 antibody

PRODUCT SPECIFICATIONS

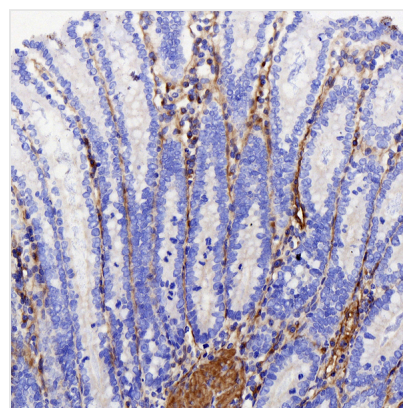
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.
Sequence Length	1,225
Applicable Applications for anti-COL1A1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant protein corresponding to Mouse COL1A1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



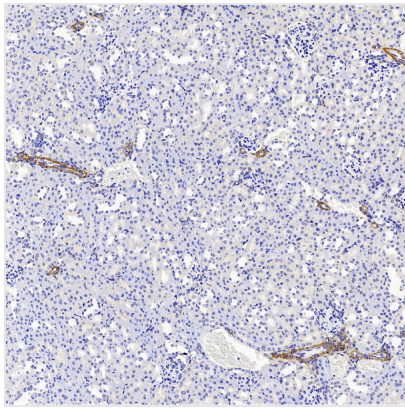
IHC (Immunohistochemistry)

Immunohistochemistry (antigen was repair with 0.4% pepsin for 20 min) analysis of paraffin-embedded mouse lung using COL1A1 Polyclonal Antibody at dilution of 1:500.



IHC (Immunohistochemistry)

Immunohistochemistry (antigen was repair with 0.4% pepsin for 20 min) analysis of paraffin-embedded Rat colon using COL1A1 Polyclonal Antibody at dilution of 1:500.



IHC (Immunohistochemistry)

Immunohistochemistry (antigen was repair with 0.4% pepsin for 20 min) analysis of paraffin-embedded Mouse spleen using COL1A1 Polyclonal Antibody at dilution of 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-COL1A1 antibody	COL1A1 (Collagen Type I Alpha 1 Chain) is a Protein Coding gene. Diseases associated with COL1A1 include Caffey Disease and Osteogenesis Imperfecta, Type I. Among its related pathways are Collagen chain trimerization and Transcription_Role of VDR in regulation of genes involved in osteoporosis. GO annotations related to this gene include identical protein binding and platelet-derived growth factor binding. An important paralog of this gene is COL2A1. This gene 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. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.
Product Categories/Family for anti-COL1A1 antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	34328108
NCBI GeneID	12842
NCBI Accession #	NP_031768.2
NCBI GenBank Nucleotide #	NM_007742.4
UniProt Accession #	P11087; Q53WTO; Q60635; Q61367; Q61427; Q63919; Q6PCL3; Q810J9
NCBI Official Full Name	collagen alpha-1(I) chain preproprotein
NCBI Official Synonym Full Names	collagen, type I, alpha 1
NCBI Official Symbol	Col1a1
NCBI Official Synonym Symbols	Cola1; Mov13; Cola-1; Mov-13; Col1a-1
NCBI Protein Information	collagen alpha-1(I) chain
UniProt Protein Name	Collagen alpha-1(I) chain
UniProt Gene Name	Col1a1
UniProt Synonym Gene Names	Cola1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/col1a1-antibody-immunohistochemistry-elisa/174542>