

Rabbit Collagen I Polyclonal Antibody | anti-COL1A1 antibody

Anti-Collagen I antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45496	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Immunohistochemistry, Western Blot

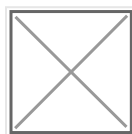
PRODUCT SYNONYMS

Collagen I; Polyclonal Antibody; Anti-Collagen I antibody; Collagen alpha-1(I) chain; collagen; type I; alpha 1; Alpha 1 type I collagen antibody; Alpha 2 type I collagen antibody; Alpha-1 type I collagen antibody; CO1A1_HUMAN antibody; COL1A1 antibody; COL1A2 antibody; Collagen alpha-1(I) chain antibody; Collagen I alpha 1 polypeptide antibody; Collagen I alpha 2 polypeptide antibody; Collagen Of Skin Tendon And Bone antibody; Collagen Type 1 antibody; Collagen type I alpha 1 antibody; Collagen type I alpha 2 antibody; OI4 antibody; Osteogenesis Imperfecta Type IV antibody; Pro alpha 1(I) collagen antibody; Type I procollagen antibody; anti-COL1A1 antibody

PRODUCT SPECIFICATIONS

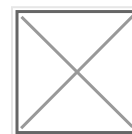
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄
Sequence Length	1453
Applicable Applications for anti-COL1A1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse COL1A1(1192-1207aa QPPQEKSQDGGRYRA), identical to the related rat sequence, and different from the related human sequence by two amino acids.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	The lab recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG () for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit () for IHC(P), IHC(F) and ICC.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti-Collagen I antibody, AAA45496, Western blotting
Lane 1: Rat Lung Tissue Lysate
Lane 2: Human Placenta Tissue Lysate
Lane 3: Rat Testis Tissue Lysate



IHC (Immunohistochemistry)

Anti-Collagen I antibody, AAA45496, IHC(F)IHC(F): Human Placenta Tissue

**ICC (Immunocytochemistry)**

Anti-Collagen I antibody, AAA45496, ICCICC: NIH3T3 Cell

**IHC (Immunohistochemistry)**

Anti-Collagen I antibody, AAA45496, IHC(P)IHC(P): Human Intestinal Cancer Tissue

**IHC (Immunohistochemistry)**

Anti-Collagen I antibody, AAA45496, IHC(P)IHC(P): Rat Lung Tissue

ADDITIONAL INFORMATION**Related Product Information for anti-COL1A1 antibody**

Background: Collagen, type I, alpha 1, also known as COL1A1, is a human gene that encodes the major component of type I collagen, the fibrillar collagen found in most connective tissues, including cartilage. This gene is mapped to 17q21.33. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83301500
NCBI GeneID	12842
UniProt Accession #	P11087; Q53WT0; Q60635; Q61367; Q61427; Q63919; Q6PCL3; Q810J9
NCBI Official Full Name	Collagen alpha-1(I) chain
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; collagen alpha-1(I) chain; alpha-1 type 1 collagen; alpha-1 type I collagen; procollagen, type I, alpha 1
UniProt Protein Name	Collagen alpha-1(I) chain
UniProt Gene Name	Col1a1
UniProt Synonym Gene Names	Cola1
UniProt Entry Name	CO1A1_MOUSE

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://stage.aaabiotech.com/polyclonal/collagen-i-antibody-immunocytochemistry-immunohistochemistry-immunohistochemistry-western-blot-elisa/45496>