

Rabbit Collagen Type I Polyclonal Antibody | anti-COL1A1 antibody

Collagen Type I antibody

CATALOG # AAA75008	HOST Rabbit	REACTIVITY Bovine, Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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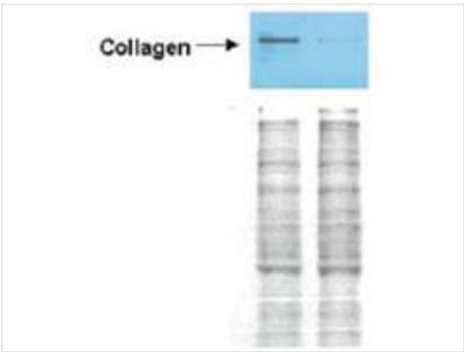
PRODUCT SYNONYMS

Collagen Type I; Polyclonal Antibody; Collagen Type I antibody; Polyclonal Collagen Type I; Anti-Collagen Type I; Collagen Of Skin Tendon And Bone; Collagen Type 1; OI4; Osteogenesis Imperfecta Type IV; anti-COL1A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bovine, Human
Clonality	Polyclonal
Purity/Purification	Collagen Type I antibody was purified by affinity chromatography.
Form/Format	Liquid in 0.02M potassium phosphate, 0.15M Sodium Chloride, pH 7.2, with 0.01% sodium azide as preservative.
Concentration	1.15 mg/ml (by UV absorbance at 280nm) (varies by lot)
Sequence Length	885
Applicable Applications for anti-COL1A1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Biological Significance	Collagen is a group of naturally occurring proteins found, in nature, exclusively in animals, especially in the flesh and connective tissues of mammals. It is the main component of connective tissue, and is the most abundant protein in mammals, making up about 25% to 35% of the whole-body protein content. Type-I collagen is the most abundant collagen of the human body. It is present in scar tissue, the end product when tissue heals by repair. It is found in tendons, the endomysium of myofibrils and the organic part of bone.
Bioactivity	Some class-specific anti-collagens may be specific for three-dimensional epitopes which may result in diminished reactivity with denatured collagen or formalin-fixed, paraffin embedded tissues
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Immunogen	Placenta collagen Type I from human and Bovine
Cross Reactivity	Bovine, Human
Preparation and Storage	Stable at 4°C as an undiluted liquid. For extended storage , mix with an equal volume of glycerol, aliquot and freeeze at -20°C. Avoid repeated freeze.

IMAGES



WB (Western Blot)
Western Blot analysis using Collagen Type I antibodyWestern blot using purified Collagen I antibody to detect expression of collagen I in Wistar rat hepatic stellate cells (HSC) in control (GFP-transduced) (left lane) and PPARγ-transduced cell lysates (right lane).

ADDITIONAL INFORMATION

Related Product Information for anti-COL1A1 antibody	Affinity purified Rabbit polyclonal Collagen Type I antibody
Product Categories/Family for anti-COL1A1 antibody	Cancer; Purified Polyclonal Antibodies
References	Antibodies and immunohistochemistry in extracellular matrix research; Anthony J. Hayes,, Clare E. Hughes, Bruce Caterson (Methods: Volume: 45 Issue: 1 Page: 10-21 DOI: 10.1016/j.ymeth.2008.01.011)

NCBI AND UNIPROT INFORMATION

NCBI GI #	119615037
NCBI GeneID	1277
UniProt Accession #	P02452; O76045; P78441; Q13896; Q13902; Q13903; Q14037; Q14992; Q15176; Q15201; Q16050; Q59F64
NCBI Official Full Name	collagen, type I, alpha 1, isoform CRA_a
NCBI Official Synonym Full Names	collagen, type I, alpha 1
NCBI Official Symbol	COL1A1
NCBI Official Synonym Symbols	OI1; OI2; OI3; OI4; EDSC
NCBI Protein Information	collagen alpha-1(I) chain
UniProt Protein Name	Collagen alpha-1(I) chain
UniProt Gene Name	COL1A1
UniProt Entry Name	CO1A1_HUMAN

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-type-i-antibody-western-blot-immunohistochemistry-elisa/75008>