

Rabbit Collagen Type I Antibody | anti-COL1A1 antibody

Collagen Type I, chicken

CATALOG # AAA60532	HOST Rabbit	APPLICATIONS Western Blot, immunoassay, Radioimmunoassay, Immunohistochemistry, Immunofluorescence, ELISA
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PRODUCT SYNONYMS

Collagen Type I; chicken; anti-COL1A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Form/Format	Affinity purified antibody lyophilized from phosphate buffered solution; no BSA and preservative added!
Concentration	1 mg/ml (varies by lot)
Sequence Length	1453
Applicable Applications for anti-COL1A1 antibody	WB (Western Blot), RIA (Radioimmunoassay), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Immunogen	Purified collagen type I from chicken skin
Secondary Reagents	Anti-rabbit IgG-conjugates, e.g. anti-rabbit IgG:FITC or anti-rabbit IgG:DyLight488. (Please Inquire)
Preparation and Storage	Store at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-COL1A1 antibody	Type I Collagen usually exists as a heterotrimer formed by alpha 1(I) and alpha 2(I) chains and is found in bone, cornea, skin and tendon. In foetal tissues also homotrimers of alpha-1(I) are found, but they are not constituents of normal adult tissues. Collagens consist of a family of highly specialized glycoproteins of which at least 16 genetically distinct types are known to date. The basal unit of a collagen molecule consists of a triple-helical structure formed by 3 alpha-chains. Predominant amino acids are glycine, proline and hydroxproline. Regularly also lysines and hydroxylysines occur, which are responsible for cross-linkage and glycosylation of the protein chains. Different composition of alpha-chains and different glycosylation contribute to the high variability of collagens in different tissues and organs. Chicken collagen type I 100%, chicken collagen type II, III and V <0.1%; chicken fibronectin <0.1% RIA at 1:1000 dilution.
References	1. Mauger A., Demarchez M., Herbage D., Grimaud J.A., Druguet M., Hartmann D., Sengel P. (1982) Immunofluorescent localization of collagen types I and III, and of fibronectin during feather morphogenesis in the chick embryo. Dev. Biol. 94, 93-105. 2. Tacchetti C., Quarto R., Nitsch L., Hartmann D.J., Cancedda R. (1987) In vitro morphogenesis of chick embryo hypertrophic cartilage. J. Cell. Biol. 105, 999-1006. 3. Robert J., Hartmann D.J., Sengel P. (1989) Production of fibronectin and collagen types I and III by chick embryo dermal cells cultured on extracellular matrix substrates. Int. J. Dev. Biol. 33, 267-275. 4. Farjanel J., Hartmann D.J., Guidet B., Luquel L., Offenstadt G. (1993) Four markers of collagen metabolism as possible indicators of disease in the adult respiratory distress syndrome. Am. Rev. Respir. Dis. 147, 1091-1099.

NCBI AND UNIPROT INFORMATION

NCBI GI #	152031574
NCBI GeneID	395532
UniProt Accession #	P02457
NCBI Official Full Name	Collagen alpha-1(I) chain

NCBI Official Synonym Full Names	collagen type I alpha 1 chain
NCBI Official Symbol	COL1A1
NCBI Protein Information	collagen alpha-1(I) chain
UniProt Protein Name	Collagen alpha-1(I) chain
UniProt Gene Name	COL1A1

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/rabbit-antibody/collagen-type-i/60532>