

Rabbit Collagen X Polyclonal Antibody | anti-COL10A1 antibody

Collagen X Antibody

CATALOG # AAA328878	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA
-------------------------------	-----------------------	--	------------------------------

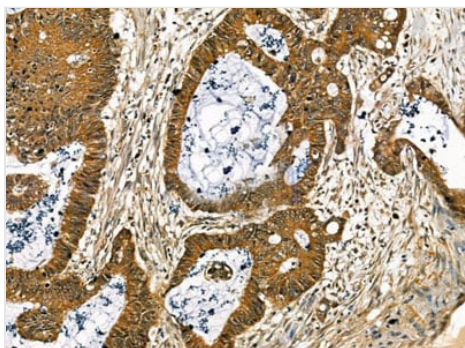
PRODUCT SYNONYMS

Collagen X; Polyclonal Antibody; Collagen X Antibody; COAA1_HUMAN; Col10a 1; COL10A1; Collagen alpha 1(X) chain; Collagen alpha-1(X) chain; Collagen type X alpha 1 (Schmid metaphyseal chondrodysplasia); Collagen type X alpha 1; Collagen X alpha 1 polypeptide; CollagenX; fa66d11; fb10c08; OTTHUMP00000040411; Procollagen type X alpha 1; Schmid metaphyseal chondrodysplasia; wu:fa66d11; wu:fb10c08; anti-COL10A1 antibody

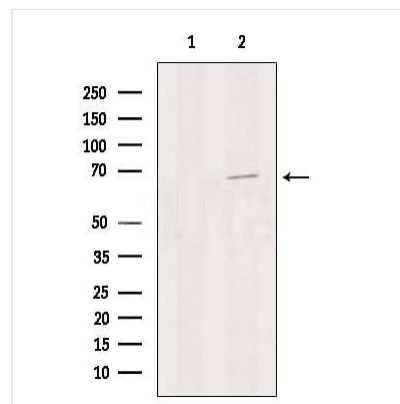
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Collagen X Antibody detects endogenous levels of total Collagen X.
Purity/Purification	Peptide affinity purification
Form/Format	Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	680
Applicable Applications for anti-COL10A1 antibody	ELISA
Immunogen	A synthesized peptide derived from human Collagen X, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20°C for 12 months. Avoid repeated freeze/thaw cycles

IMAGES


IHC (Immunohistochemistry)

AAA328878 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.


WB (Western Blot)

Western blot analysis of extracts from K562, using Collagen X Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-COL10A1 antibody	Function: Type X collagen is a product of hypertrophic chondrocytes and has been localized to presumptive mineralization zones of hyaline cartilage. Post Translational Modifications: Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains. Subcellular Location: Secreted>Extracellular space>Extracellular matrix. Subunit Structure: Homotrimer.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	119568625
NCBI GeneID	1300
UniProt Accession #	Q03692
Molecular Weight	66kDa
NCBI Official Full Name	collagen, type X, alpha 1(Schmid metaphyseal chondrodysplasia)
NCBI Official Synonym Full Names	collagen type X alpha 1 chain
NCBI Official Symbol	COL10A1
NCBI Protein Information	collagen alpha-1(X) chain
UniProt Protein Name	Collagen alpha-1(X) chain
UniProt Gene Name	COL10A1
UniProt Entry Name	COAA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/collagen-x-antibody-elisa/328878>