

Rabbit anti-Human COL8A2 Polyclonal Antibody | anti-COL8A2 antibody

COL8A2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286992	Rabbit	Human	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

COL8A2; Polyclonal Antibody; COL8A2 Antibody (C-term); Collagen alpha-2(VIII) chain; Endothelial collagen; anti-COL8A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COL8A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 571-599 amino acids from the C-terminal region of human COL8A2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	571-599
Sequence Length	703
Applicable Applications for anti-COL8A2 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of COL8A2 Antibody (C-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

COL8A2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of COL8A2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

COL8A2 Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the COL8A2 antibody detected the COL8A2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-COL8A2 antibody	This gene encodes the alpha 2 chain of type VIII collagen. The protein is a major component of the basement membrane of the corneal endothelium and forms homo- or heterotrimers with alpha 1 (VIII) type collagens. Defects in this gene are associated with Fuchs endothelial corneal dystrophy and posterior polymorphous corneal dystrophy type 2.
Product Categories/Family for anti-COL8A2 antibody	Signal Transduction
References	Hemadevi, B., et al. BMC Ophthalmol 10, 3 (2010) : Afshari, N.A., et al. Invest. Ophthalmol. Vis. Sci. 50(3):1093-1097(2009) Liskova, P., et al. Br J Ophthalmol 91(12):1717-1718(2007) Aldave, A.J., et al. Cornea 26(8):963-965(2007) Zhang, C., et al. Trans Am Ophthalmol Soc 104, 85-97 (2006) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	32964830
NCBI GeneID	1296
NCBI Accession #	NP_005193.1
NCBI GenBank Nucleotide #	NM_005202.3
UniProt Accession #	P25067 ; Q5JV31 ; Q8TEJ5
Molecular Weight	67244
NCBI Official Full Name	collagen alpha-2(VIII) chain isoform 1
NCBI Official Synonym Full Names	collagen, type VIII, alpha 2
NCBI Official Symbol	COL8A2
NCBI Official Synonym Symbols	FECD; PPCD; FECD1; PPCD2
NCBI Protein Information	collagen alpha-2(VIII) chain
UniProt Protein Name	Collagen alpha-2(VIII) chain
UniProt Gene Name	COL8A2
UniProt Entry Name	CO8A2_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/col8a2-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/286992>