

Rabbit anti-Human Collagen VI alpha2 Polyclonal Antibody | anti-COL6A2 antibody

Collagen VI alpha2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324241	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

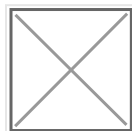
PRODUCT SYNONYMS

Collagen VI alpha2; Polyclonal Antibody; Collagen VI alpha2 Antibody; CO6A2_HUMAN; COL6A2; Collagen alpha 2(VI) chain; Collagen alpha-2(VI) chain; collagen type VI alpha 2; Collagen VI alpha 2 polypeptide; human mRNA for collagen VI alpha 2 C terminal globular domain; PP3610; anti-COL6A2 antibody

PRODUCT SPECIFICATIONS

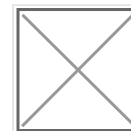
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Collagen VI alpha2 antibody detects endogenous levels of total Collagen VI alpha2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1019
Applicable Applications for anti-COL6A2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Extracellular Region or Secreted
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (82%), Bovine (82%), Horse (82%), Sheep (82%), Rabbit (82%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA324241 at 1/100 staining Human uterus tissue 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

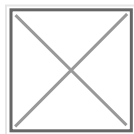
Western blot analysis of extracts from HepG2, using Collagen VI alpha2 Antibody.

**WB (Western Blot)**

Western blot analysis of extracts from K562 cells using Collagen VI alpha2 antibody.

**IF (Immunofluorescence)**

AAA324241 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

**WB (Western Blot)**

Western blot analysis of extracts from rat brain, using Collagen VI alpha2 antibody.

ADDITIONAL INFORMATION**Related Product Information for anti-COL6A2 antibody**

Function: Collagen VI acts as a cell-binding protein.
Subunit Structure: Trimers composed of three different chains: alpha-1(VI), alpha-2(VI), and alpha-3(VI) or alpha-5(VI) or alpha-6(VI). Interacts with CSPG4.
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.
Similarity: Belongs to the type VI collagen family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115527062
NCBI GeneID	1292
NCBI Accession #	NP_001840.3
NCBI GenBank Nucleotide #	NM_001849.3
UniProt Accession #	P12110; Q13909; Q13910; Q13911; Q14048; Q14049; Q16259; Q16597; Q6P0Q1; Q9UML3; Q9Y4S8
Molecular Weight	Observed: 109 kD Predicted: 109 kDa
NCBI Official Full Name	collagen alpha-2(VI) chain isoform 2C2
NCBI Official Synonym Full Names	collagen type VI alpha 2 chain
NCBI Official Symbol	COL6A2
NCBI Official Synonym Symbols	UCMD1; BTHLM1; PP3610
NCBI Protein Information	collagen alpha-2(VI) chain
UniProt Protein Name	Collagen alpha-2(VI) chain
UniProt Gene Name	COL6A2

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-vi-alpha2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324241>