

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

Anti-Collagen VI/COL6A2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19480	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

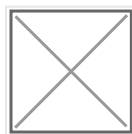
PRODUCT SYNONYMS

Collagen VI/COL6A2; Polyclonal Antibody; Anti-Collagen VI/COL6A2 Antibody Picoband; anti-COL6A2 antibody

PRODUCT SPECIFICATIONS

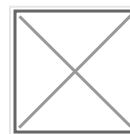
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-COL6A2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 0.25-0.5 ug/ml, Human IHC-P: 2-5 ug/ml, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Collagen VI/COL6A2 recombinant protein (Position: N35-D949).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Figure 8. IHC analysis of Collagen VI/COL6A2 using anti-Collagen VI/COL6A2 antibody (AAA19480). Collagen VI/COL6A2 was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Collagen VI/COL6A2 Antibody (AAA19480) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



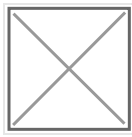
IHC (Immunohistochemistry)

Figure 7. IHC analysis of Collagen VI/COL6A2 using anti-Collagen VI/COL6A2 antibody (AAA19480). Collagen VI/COL6A2 was detected in a paraffin-embedded section of human lymphadenoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Collagen VI/COL6A2 Antibody (AAA19480) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



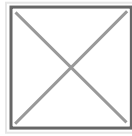
IHC (Immunohistochemistry)

Figure 6. IHC analysis of Collagen VI/COL6A2 using anti-Collagen VI/COL6A2 antibody (AAA19480).Collagen VI/COL6A2 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Collagen VI/COL6A2 Antibody (AAA19480) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of Collagen VI/COL6A2 using anti-Collagen VI/COL6A2 antibody (AAA19480).Collagen VI/COL6A2 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Collagen VI/COL6A2 Antibody (AAA19480) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of Collagen VI/COL6A2 using anti-Collagen VI/COL6A2 antibody (AAA19480).Collagen VI/COL6A2 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Collagen VI/COL6A2 Antibody (AAA19480) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Collagen VI/COL6A2 using anti-Collagen VI/COL6A2 antibody (AAA19480).Collagen VI/COL6A2 was detected in a paraffin-embedded section of human gastric adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Collagen VI/COL6A2 Antibody (AAA19480) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-COL6A2 antibody	Collagen alpha-2(VI) chain is a protein that in humans is encoded by the COL6A2 gene. This gene encodes one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The product of this gene contains several domains similar to von Willebrand Factor type A domains. These domains have been shown to bind extracellular matrix proteins, an interaction that explains the importance of this collagen in organizing matrix components. Mutations in this gene are associated with Bethlem myopathy and Ullrich scleroatonic muscular dystrophy. Three transcript variants have been identified for this gene.
Product Categories/Family for anti-COL6A2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

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	108,579 Da
NCBI Official Full Name	collagen alpha-2(VI) chain isoform 2C2
NCBI Official Synonym Full Names	collagen, type VI, alpha 2
NCBI Official Symbol	COL6A2
NCBI Official Synonym Symbols	PP3610
NCBI Protein Information	collagen alpha-2(VI) chain; collagen alpha-2(VI) chain; collagen VI, alpha-2 polypeptide; human mRNA for collagen VI alpha-2 C-terminal globular domain
UniProt Protein Name	Collagen alpha-2(VI) chain

UniProt Gene Name	COL6A2
UniProt Entry Name	CO6A2_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-vi-col6a2-antibody-western-blot-immunohistochemistry-elisa/19480>