

Rabbit COL6A1 Polyclonal Antibody | anti-COL6A1 antibody

COL6A1 Antibody (N-term)

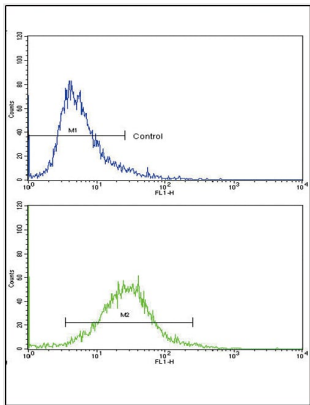
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290194	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

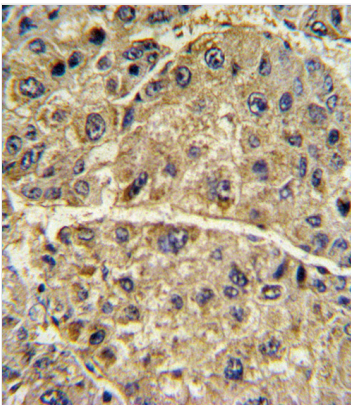
COL6A1; Polyclonal Antibody; COL6A1 Antibody (N-term); Collagen alpha-1(VI) chain; anti-COL6A1 antibody

PRODUCT SPECIFICATIONS

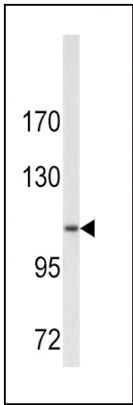
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COL6A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-77 amino acids from the N-terminal region of human COL6A1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	48-77
Sequence Length	1,028
Applicable Applications for anti-COL6A1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of 293 cells using COL6A1 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma with COL6A1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of COL6A1 antibody (N-term) in A2058 cell line lysates (35ug/lane). COL6A1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-COL6A1 antibody	The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple-helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha1(VI), alpha2(VI), and alpha3(VI) chains. The protein COL6A1 is the alpha 1 subunit of type VI collagen (alpha1(VI) chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy.
Product Categories/Family for anti-COL6A1 antibody	Cancer; Signal Transduction
References	Martoni,E., Hum. Mutat. 30 (5), E662-E672 (2009) Kim,T.H., J. Rheumatol. 35 (9), 1849-1852 (2008) Fujita,A., Genet. Mol. Res. 7 (2), 371-378 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	87196339
NCBI GeneID	1291
NCBI Accession #	NP_001839.2
NCBI GenBank Nucleotide #	NM_001848.2

UniProt Accession #	P12109; O00117; O00118; Q14040; Q14041; Q16258; Q7Z645; Q9BSA8
Molecular Weight	108529
NCBI Official Full Name	collagen alpha-1(VI) chain
NCBI Official Synonym Full Names	collagen, type VI, alpha 1
NCBI Official Symbol	COL6A1
NCBI Official Synonym Symbols	OPLL
NCBI Protein Information	collagen alpha-1(VI) chain
UniProt Protein Name	Collagen alpha-1(VI) chain
UniProt Gene Name	COL6A1
UniProt Entry Name	CO6A1_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/col6a1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290194>