

Rabbit anti-Human, mouse COL5A2 Polyclonal Antibody | anti-COL5A2 antibody

COL5A2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286923	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

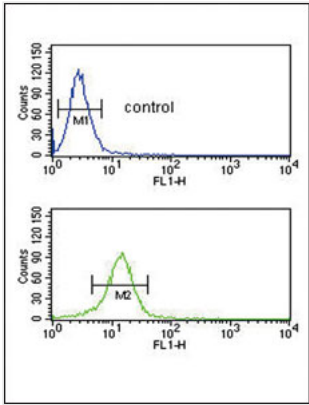
PRODUCT SYNONYMS

COL5A2; Polyclonal Antibody; COL5A2 Antibody (N-term); Collagen alpha-2(V) chain; anti-COL5A2 antibody

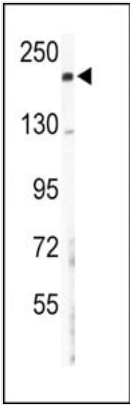
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COL5A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-118 amino acids from the N-terminal region of human COL5A2.
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.
Sequence Positions	90-118
Sequence Length	1499
Applicable Applications for anti-COL5A2 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Function	Type V collagen is a member of group I collagen (fibrillar forming collagen). It is a minor connective tissue component of nearly ubiquitous distribution. Type V collagen binds to DNA, heparan sulfate, thrombospondin, heparin, and insulin. Type V collagen is a key determinant in the assembly of tissue-specific matrices (By similarity).
Cellular location	Secreted, extracellular space, extra cellular matrix{ECO:0000255 PROSITE-ProRule:PRU00793}
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
COL5A2 Antibody (N-term)(AAA286923) flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of COL5A2 Antibody (N-term)(AAA286923) in mouse lung tissue lysates (35ug/lane). COL5A2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-COL5A2 antibody	COL5A2 is an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This protein is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations.
Product Categories/Family for anti-COL5A2 antibody	Signal Transduction
References	Menon,R., Reprod. Biol. Endocrinol. 7 (1), 62 (2009) Videman,T., Arthritis Rheum. 60 (2), 470-481 (2009) Segev,F., Invest. Ophthalmol. Vis. Sci. 47 (2), 565-573 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	89363017
NCBI GeneID	1290
NCBI Accession #	NP_000384.2
NCBI GenBank Nucleotide #	NM_000393.3
UniProt Accession #	P05997; P78440; Q13908; Q53WR4; Q59GR4; Q6LDJ5; Q7KZ55; Q86XF6; Q96QB0; Q96QB3
Molecular Weight	Calculated MW: 144910
NCBI Official Full Name	collagen alpha-2(V) chain preproprotein
NCBI Official Synonym Full Names	collagen, type V, alpha 2
NCBI Official Symbol	COL5A2
NCBI Official Synonym Symbols	EDSC
NCBI Protein Information	collagen alpha-2(V) chain
UniProt Protein Name	Collagen alpha-2(V) chain
UniProt Gene Name	COL5A2
UniProt Entry Name	CO5A2_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/col5a2-antibody-flow-cytometry-western-blot-elisa/286923>