

Rabbit anti-Human, Rat COL19A1 Polyclonal Antibody | anti-COL19A1 antibody

COL19A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322503	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

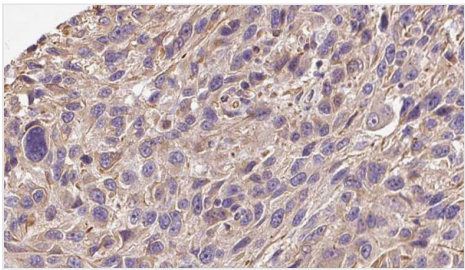
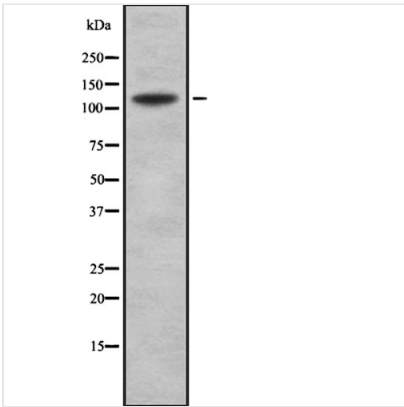
PRODUCT SYNONYMS

COL19A1; Polyclonal Antibody; COL19A1 Antibody; COJA1_HUMAN; COL9A1L; Collagen alpha-1(XIX) chain; Collagen alpha-1(Y) chain; D6S228E; anti-COL19A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	COL19A1 antibody detects endogenous levels of total COL19A1
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	1142
Applicable Applications for anti-COL19A1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human COL19A1
Subcellular Location	Secreted > Extracellular Space > Extracellular Matrix.
Tissue Specificity	Localized to vascular, neuronal, mesenchymal, and some epithelial basement membrane zones in umbilical cord.
Predicted Cross Reactivity	Dog, Chicken
Similarity	Dog (83%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA322503 at 1/100 staining Human Melanoma 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 COL19A1 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-COL19A1 antibody	Function: May act as a cross-bridge between fibrils and other extracellular matrix molecules. Involved in skeletal myogenesis in the developing esophagus. May play a role in organization of the pericellular matrix or the sphinteric smooth muscle. Subunit Structure: Oligomer; disulfide-linked. 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: The numerous interruptions in the triple helix may make this molecule either elastic or flexible. Belongs to the fibril-associated collagens with interrupted helices (FACIT) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47778921
NCBI GeneID	1310
NCBI Accession #	NP_001849.2
NCBI GenBank Nucleotide #	NM_001858.5
UniProt Accession #	Q14993; Q00559; Q05850; Q12885; Q13676; Q14DH1; Q5JUF0; Q5T424; Q9H572; Q9NPZ2; Q9NQP2
Molecular Weight	Observed: 120 kDa Predicted: 116 kDa
NCBI Official Full Name	collagen alpha-1(XIX) chain
NCBI Official Synonym Full Names	collagen type XIX alpha 1 chain
NCBI Official Symbol	COL19A1
NCBI Official Synonym Symbols	COL9A1L; D6S228E
NCBI Protein Information	collagen alpha-1(XIX) chain
UniProt Protein Name	Collagen alpha-1(XIX) chain
UniProt Gene Name	COL19A1

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.