

**Product Name: COL19A1 Rabbit Polyclonal Antibody****Catalog #: APRab09176**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	120kDa

**Antigen Information**

<b>Gene Name</b>	COL19A1
<b>Alternative Names</b>	COL19A1; Collagen alpha-1(XIX) chain; Collagen alpha-1(Y) chain
<b>Gene ID</b>	1310.0
<b>SwissProt ID</b>	Q14993
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Collagen XIX alpha1. AA range:421-470

**Background**

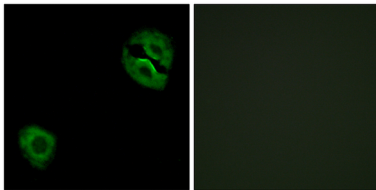
This gene encodes the alpha chain of type XIX collagen, a member of the FACIT collagen family (fibril-associated collagens with

interrupted helices). Although the function of this collagen is not known, other members of this collagen family are found in association with fibril-forming collagens such as type I and II, and serve to maintain the integrity of the extracellular matrix. The transcript produced from this gene has an unusually large 3' UTR which has not been completely sequenced. [provided by RefSeq, Jul 2008],domain:The numerous interruptions in the triple helix may make this molecule either elastic or flexible.,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.,PTM: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 fibril-associated collagens with interrupted helices (FACIT) family.,similarity:Contains 1 TSP N-terminal (TSPN) domain.,subunit:Oligomer; disulfide-linked.,tissue specificity:Localized to vascular, neuronal, mesenchymal, and some epithelial basement membrane zones in umbilical cord.,

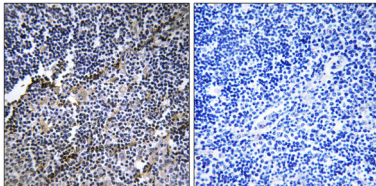
## Research Area

Cell Biology

## Image Data



Immunofluorescence analysis of A549 cells, using Collagen XIX alpha1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human thymus gland tissue, using Collagen XIX alpha1 Antibody. The picture on the right is blocked with the synthesized peptide.