

COL19A1 Polyclonal Antibody

Catalog No :	YT1017
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	COL19A1
Fields :	>>Protein digestion and absorption
Gene Name :	COL19A1
Protein Name :	Collagen alpha-1(XIX) chain
Human Gene Id :	1310
Human Swiss Prot No :	Q14993
Mouse Swiss Prot No :	Q0VF58
Immunogen :	The antiserum was produced against synthesized peptide derived from human Collagen XIX alpha1. AA range:421-470
Specificity :	COL19A1 Polyclonal Antibody detects endogenous levels of COL19A1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 120kD

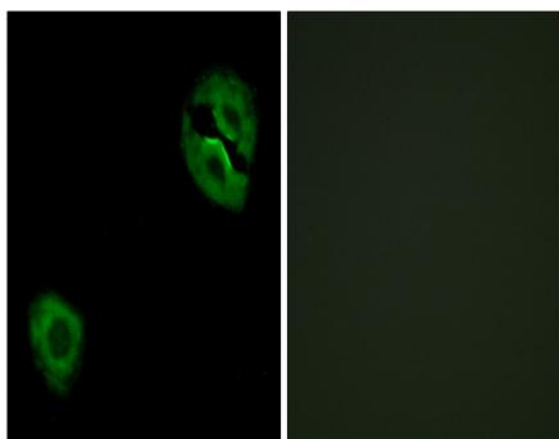
Background : This gene encodes the alpha chain of type XIX collagen, a member of the FACIT collagen family (fibril-associated collagens with interrupted helices). Although the function of this collagen is not known, other members of this collagen family are found in association with fibril-forming collagens 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],

Function : 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.,

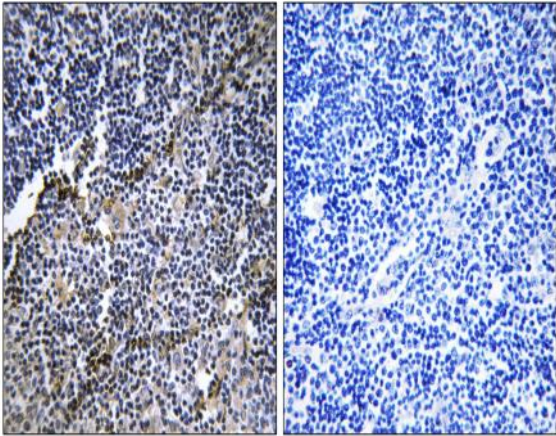
Subcellular Location : Secreted, extracellular space, extracellular matrix .

Expression : Localized to vascular, neuronal, mesenchymal, and some epithelial basement membrane zones in umbilical cord.

Products Images



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.