

COL19A1 Polyclonal Antibody

Catalog No: YT1017

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: COL19A1

Fields: >>Protein digestion and absorption

Gene Name: COL19A1

Protein Name: Collagen alpha-1(XIX) chain

Q14993

Q0VF58

Human Gene ld: 1310

Human Swiss Prot

No:

Mouse Swiss Prot

No:

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)

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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.

Sort: 4379

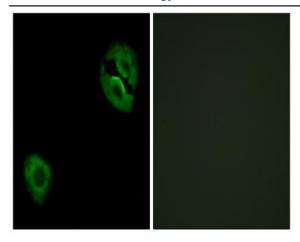
No4: 1

Host: Rabbit

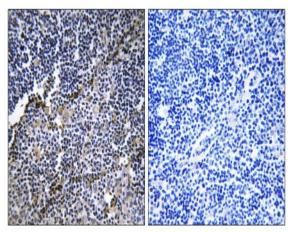
Modifications: Unmodified

Products Images

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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.