



COL19A1 Monoclonal Antibody

Catalog No	YP-mAb-16976
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	COL19A1
Immunogen	The antiserum was produced against synthesized peptide derived from human Collagen XIX alpha1. AA range:421-470
Specificity	COL19A1 Monoclonal Antibody detects endogenous levels of COL19A1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	COJA1_HUMAN;COL19A1;COL9A1L;Collagen alpha-1(XIX) chain;Collagen alpha-1(Y) chain;D6S228E
Observed Band	120kD
Calculated Molecular Weight	120kD
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Localized to vascular, neuronal, mesenchymal, and some epithelial basement membrane zones in umbilical cord.
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.,

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images