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COL19A1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10475A

Specification

COL19A1 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q14993
Other Accession	NP_001849.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**115221**
Antigen Region	**144-170**

COL19A1 Antibody (N-term) - Additional Information

Gene ID 1310

Other Names
Collagen alpha-1(XIX) chain, Collagen alpha-1(Y) chain, COL19A1

Target/Specificity
This COL19A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 144-170 amino acids from the N-terminal region of human COL19A1.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
COL19A1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

COL19A1 Antibody (N-term) - Protein Information

Name COL19A1

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.

Cellular Location
Secreted, extracellular space, extracellular matrix

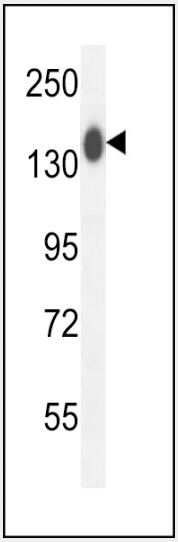
Tissue Location
Localized to vascular, neuronal, mesenchymal, and some epithelial basement membrane zones in umbilical cord

COL19A1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

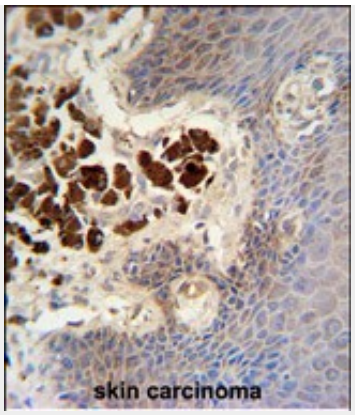
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

COL19A1 Antibody (N-term) - Images



COL19A1 Antibody (N-term) (Cat. #AP10475a) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the COL19A1 antibody detected the COL19A1 protein (arrow).

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COL19A1 antibody (N-term) (Cat. #AP10475a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the COL19A1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

COL19A1 Antibody (N-term) - Background

COL19A1 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.

COL19A1 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Barber, M.J., et al. PLoS ONE 5 (3), E9763 (2010) :
Boudko, S.P., et al. J. Biol. Chem. 283(49):34345-34351(2008)
Kapyla, J., et al. J. Biol. Chem. 279(49):51677-51687(2004)
Mungall, A.J., et al. Nature 425(6960):805-811(2003)