

COL18A1 rabbit pAb

Cat No.: ES7622

For research use only

Overview

Product Name COL18A1 rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA
Species Cross-Reactivity Human;Mouse

Recommended dilutions Immunohistochemistry: 1/100 - 1/300. ELISA:

1/20000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human Collagen alpha1 XVIII.

AA range:1301-1350

Specificity COL18A1 Polyclonal Antibody detects endogenous

levels of COL18A1 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Collagen alpha-1(XVIII) chain

Gene Name COL18A1

Cellular localization Secreted, extracellular space, extracellular matrix.

Secreted, extracellular space, extracellular matrix, basement membrane .; [Non-collagenous domain 1]: Secreted, extracellular space, extracellular matrix, basement membrane . Secreted .;

[Endostatin]:

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band

Human Gene ID 80781 Human Swiss-Prot Number P39060

Alternative Names COL18A1; Collagen alpha-1(XVIII) chain

Background This gene encodes the alpha chain of type XVIII

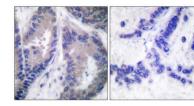
collagen. This collagen is one of the multiplexins,





extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. A long isoform of the protein has an N-terminal domain that is homologous to the extracellular part of frizzled receptors. Proteolytic processing at several endogenous cleavage sites in the C-terminal domain results in production of endostatin, a potent antiangiogenic protein that is able to inhibit angiogenesis and tumor growth. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities, so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014],

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



+86-27-59760950

