

Product datasheet

Anti-COL16A1 antibody - C-terminal ab231044

3 Images

Overview

Product name	Anti-COL16A1 antibody - C-terminal
Description	Rabbit polyclonal to COL16A1 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Human COL16A1 aa 1434-1604 (C terminal). Sequence: VNYDEIKRFIRQEIIKMFDERMAYTSRMQFPMEMAAAP GRPGPPGKDGA PGRPGAPGSPGLPGQIGREGRQGLPGVRGLPGTKGE KGDIGIGIAGENGL PGPPGPQGGPYGKMGATGPMGQQGIPGIPGPPGPM GQPGKAGHCNPSDC FGAMPMEQQYPPMKTMKGPFG Database link: Q07092-1  Run BLAST with  Run BLAST with
Positive control	WB: Recombinant human COL16A1 protein; Human serum. IHC-P: Human lung tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab231044 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.

Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab231044** in the following tested applications.

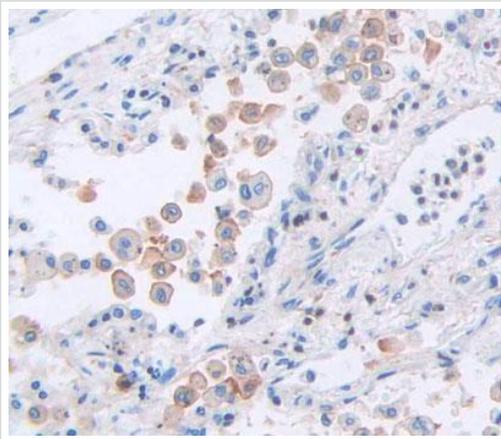
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 158 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

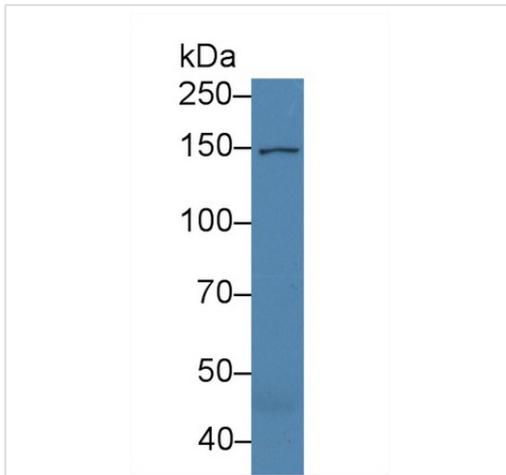
Function	Involved in mediating cell attachment and inducing integrin-mediated cellular reactions, such as cell spreading and alterations in cell morphology.
Tissue specificity	In papillary dermis, is a component of specialized fibrillin-1-containing microfibrils, whereas in territorial cartilage matrix, it is localized to a discrete population of thin, weakly banded collagen fibrils in association with other collagens (at protein level). In the placenta, where it is found in the amnion, a membranous tissue lining the amniotic cavity. Within the amnion, it is found in an acellular, relatively dense layer of a complex network of reticular fibers. Also located to a fibroblast layer beneath this dense layer. Exists in tissues in association with other types of collagen.
Sequence similarities	Belongs to the fibril-associated collagens with interrupted helices (FACIT) family. Contains 1 TSP N-terminal (TSPN) domain.
Developmental stage	Transiently elevated expression during gestation, and decrease at term.
Domain	This sequence defines eighteen different domains, nine triple-helical domains (COL9 to COL1) and ten non-triple-helical domains (NC10 to NC1). The numerous interruptions in the triple helix may make this molecule either elastic or flexible.
Post-translational modifications	Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains. Glycosylated.
Cellular localization	Secreted > extracellular space > extracellular matrix.

Images



Formalin-fixed, paraffin-embedded human lung tissue stained for COL16A1 with ab231044 at 20 µg/ml in immunohistochemical analysis. DAB staining.

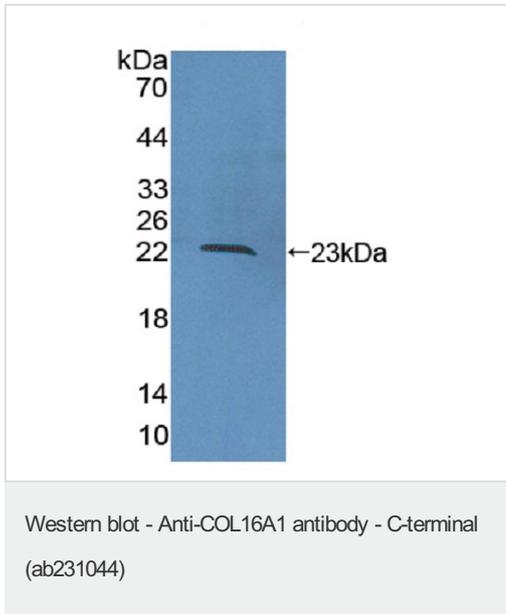
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COL16A1 antibody - C-terminal (ab231044)



Anti-COL16A1 antibody - C-terminal (ab231044) at 3 µg/ml + human serum

Predicted band size: 158 kDa

Western blot - Anti-COL16A1 antibody - C-terminal (ab231044)



Anti-COL16A1 antibody - C-terminal (ab231044) at 2 µg/ml + recombinant human COL16A1 protein

Predicted band size: 158 kDa

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