

Anti-COL4A2 Antibody

Catalog Number: A02453-1

About COL4A2

Canstatin, a cleavage product corresponding to the collagen alpha 2(IV) NC1 domain, possesses both anti-angiogenic and anti-tumor cell activity. It inhibits proliferation and migration of endothelial cells, reduces mitochondrial membrane potential, and induces apoptosis. Specifically induces Fas-dependent apoptosis and activates procaspase-8 and -9 activity. Ligand for alphavbeta3 and alphavbeta5 integrins.

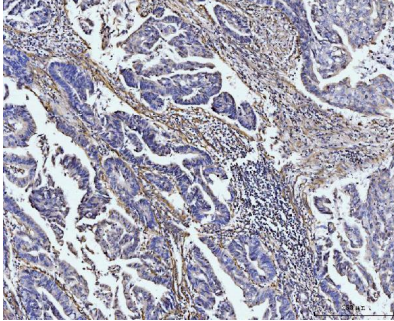
Overview

Product Name	Anti-COL4A2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-COL4A2 Antibody catalog # A02453-1. Tested in ELISA, IHC applications. This antibody reacts with Human.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P08572

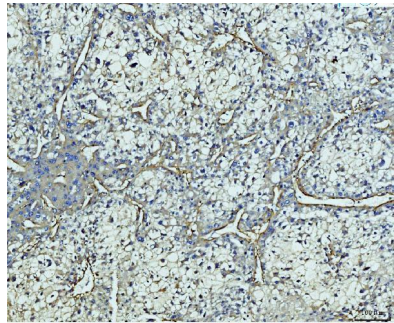
Technical Details

Immunogen	E.coli-derived human COL4A2 recombinant protein (Position: H1666-L1712).
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 1-2 ug/ml, Human ELISA, 0.1-0.5 ug/ml, -

Anti-COL4A2 Antibody (A02453-1) Images



IHC analysis of COL4A2 using anti-COL4A2 antibody (A02453-1). COL4A2 was detected in a paraffin-embedded section of human gastric adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-COL4A2 Antibody (A02453-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.



IHC analysis of COL4A2 using anti-COL4A2 antibody (A02453-1). COL4A2 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-COL4A2 Antibody (A02453-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

2 Publications Citing This Product

1. PubMed ID: 10.1292/jvms.18-0674, Cathepsin S degrades arresten and canstatin in infarcted area after myocardial infarction in rats
2. PubMed ID: 10.1016/j.bbrc.2018.04.026, Canstatin modulates L-type calcium channel activity in rat ventricular cardiomyocytes

Visit bosterbio.com/anti-col4a2-picoband-trade-antibody-a02453-1-boster.html to see all 2 publications.

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Anti-COL4A2 Antibody

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