

Anti-Endostatin/COL18A1 antibody ab3453

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概述

产品名称	Anti-Endostatin/COL18A1抗体
描述	兔多克隆抗体to Endostatin/COL18A1
宿主	Rabbit
特异性	Detects recombinant human Endostatin/COL18A1.
经测试应用	适用于: ICC/IF, IHC-P
种属反应性	与反应: Mouse, Cat, Human, Non human primates
免疫原	Synthetic peptide corresponding to Human Endostatin/COL18A1 aa 129-142. Sequence: RRLM/TESYCETWRTE (Peptide available as ab4983) Run BLAST with Run BLAST with
常规说明	ab3453 has been recombinant only tested in Western blot. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified
克隆	多克隆

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab3453 于以下的经测试应用

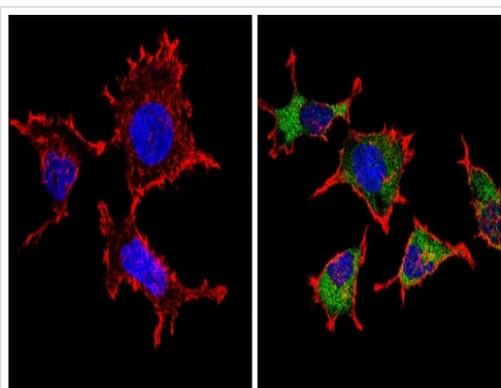
“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		1/200 - 1/1000.
IHC-P		1/100 - 1/500.

靶标

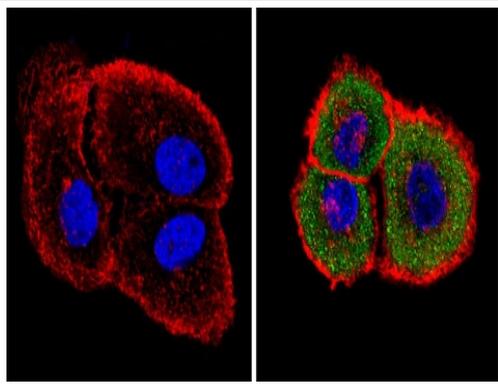
功能	COLA18A probably plays a major role in determining the retinal structure as well as in the closure of the neural tube. Endostatin potently inhibits endothelial cell proliferation and angiogenesis. May inhibit angiogenesis by binding to the heparan sulfate proteoglycans involved in growth factor signaling.
组织特异性	Present in multiple organs with highest levels in liver, lung and kidney.
疾病相关	Defects in COL18A1 are a cause of Knobloch syndrome (KNO) [MIM:267750]. KNO is an autosomal recessive disorder defined by the occurrence of high myopia, vitreoretinal degeneration with retinal detachment, macular abnormalities and occipital encephalocele.
序列相似性	Belongs to the multiplexin collagen family. Contains 1 FZ (frizzled) domain. Contains 1 TSP N-terminal (TSPN) domain.
翻译后修饰	Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.
细胞定位	Secreted > extracellular space > extracellular matrix.

图片



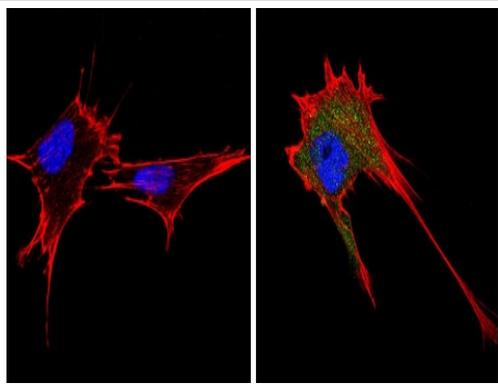
Immunocytochemistry/ Immunofluorescence - Anti-Endostatin/COL18A1 antibody (ab3453)

ab3453 labelling Endostatin/COL18A1 (green) in 293T cells (right) compared with a negative control (left) by Immunocytochemistry/Immunofluorescence. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with the primary antibody (1:200 in 3% BSA-PBS) overnight at 4 °C. A DyLight 488-conjugated Goat anti-rabbit IgG was used as the secondary antibody. Red (phalloidin) - F-actin, Blue (DAPI) - nuclei (blue). Images were taken at a magnification of 60x.



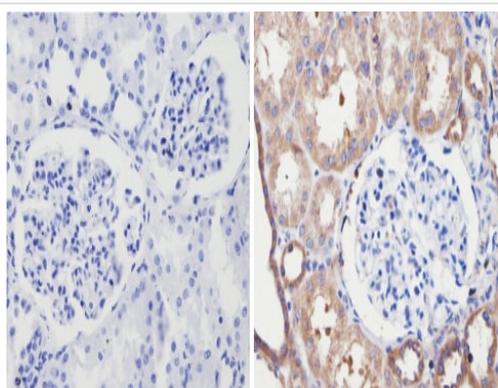
Immunocytochemistry/ Immunofluorescence - Anti-Endostatin/COL18A1 antibody (ab3453)

ab3453 labelling Endostatin/COL18A1 (green) in A431 cells (right) compared with a negative control (left) by Immunocytochemistry/Immunofluorescence. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with the primary antibody (1:200 in 3% BSA-PBS) overnight at 4 °C. A DyLight 488-conjugated Goat anti-rabbit IgG was used as the secondary antibody. Red (phalloidin) - F-actin, Blue (DAPI) - nuclei (blue). Images were taken at a magnification of 60x.



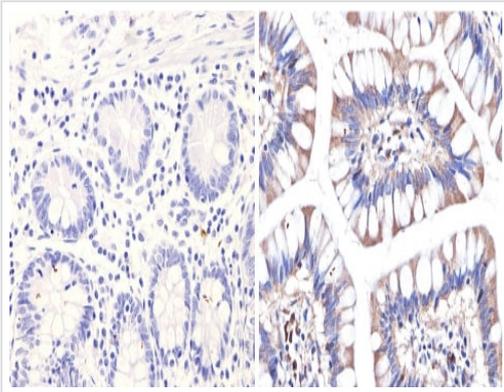
Immunocytochemistry/ Immunofluorescence - Anti-Endostatin/COL18A1 antibody (ab3453)

ab3453 labelling Endostatin/COL18A1 (green) in NIH-3T3 cells (right) compared with a negative control (left) by Immunocytochemistry/Immunofluorescence. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes, blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with the primary antibody (1:200 in 3% BSA-PBS) overnight at 4 °C. A DyLight 488-conjugated Goat anti-rabbit IgG was used as the secondary antibody. Red (phalloidin) - F-actin, Blue (DAPI) - nuclei (blue). Images were taken at a magnification of 60x.



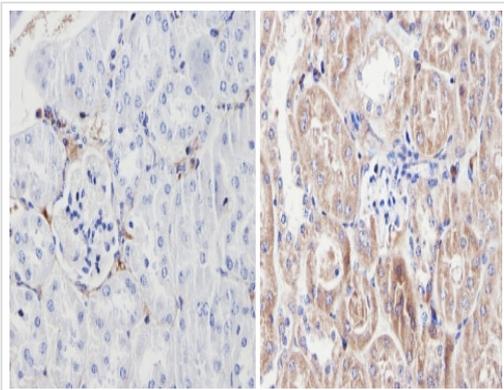
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Endostatin/COL18A1 antibody (ab3453)

ab3453 labelling Endostatin/COL18A1 in the secretion of Human kidney tissue (right) compared with a negative control (left) by Immunohistochemistry (formalin/PFA-fixed paraffin embedded sections). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature. Tissue sections were incubated with the primary antibody (1:100 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit IgG was used as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Endostatin/COL18A1 antibody (ab3453)

ab3453 labelling Endostatin/COL18A1 in the secretion of Human colon tissue (right) compared with a negative control (left) by Immunohistochemistry (formalin/PFA-fixed paraffin embedded sections). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature. Tissue sections were incubated with the primary antibody (1:200 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit IgG was used as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Endostatin/COL18A1 antibody (ab3453)

ab3453 labelling Endostatin/COL18A1 in the secretion of Mouse kidney tissue (right) compared with a negative control (left) by Immunohistochemistry (formalin/PFA-fixed paraffin embedded sections). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature. Tissue sections were incubated with the primary antibody (1:100 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit IgG was used as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

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