

Product datasheet

Anti-Endostatin antibody [1837-46] ab15685

1 图像

概述

产品名称	Anti-Endostatin抗体[1837-46]
描述	小鼠单克隆抗体[1837-46] to Endostatin
宿主	Mouse
经测试应用	适用于: IHC-Fr, IHC-P
种属反应性	与反应: Human
免疫原	Recombinant fragment (Human) (C terminal).
常规说明	Clone 1837-46 is directed against the endostatin portion (the carboxy-terminal domain) of collagen XVIII. Endostatin is a powerful inhibitor of endothelial cell proliferation and angiogenesis and shows widespread distribution, mainly in vessel walls and some other basement membrane zones.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.2
纯度	Immunogen affinity purified
纯化说明	Purified from tissue culture supernatant.
Primary antibody说明	Clone 1837-46 is directed against the endostatin portion (the carboxy-terminal domain) of collagen XVIII. Endostatin is a powerful inhibitor of endothelial cell proliferation and angiogenesis and shows widespread distribution, mainly in vessel walls and some other basement membrane zones.
克隆	单克隆
克隆编号	1837-46
同种型	IgG2b
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab15685** in the following tested applications.

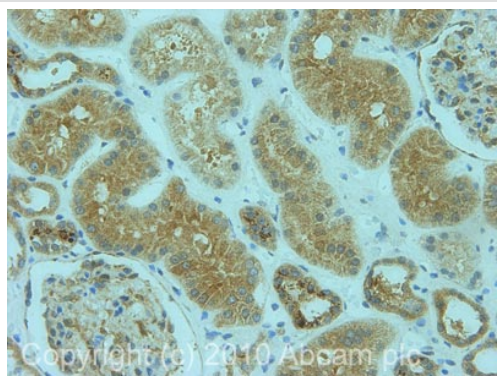
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-Fr		Use a concentration of 10 µg/ml. Fixation: acetone 10 minutes.
IHC-P		Use a concentration of 10 µg/ml. Microwave irradiation (2 x 7min) in citrate buffer is recommended for antigen retrieval.

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-Endostatin antibody [1837-46] (ab15685)

IHC image of ab15685 staining in human colon formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab15685, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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