Rabbit anti-Collagen IV antibody, clone SQab20215 (monoclonal)

Clone no. SQab20215

MONOSAN

Product name	Rabbit anti-Collagen IV antibody, clone SQab20215 (monoclonal)
Host	Rabbit
Applications	IHC-P
Species reactivity	Human, Mouse
Conjugate	-
Immunogen	Native protein of Human Collagen IV.
Isotype	-
Clonality	Monoclonal
Clone number	SQab20215
Size	100 ul
Concentration	n/a
Format	Purification with Protein A.
Storage buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Storage until expiry date	-20°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Product datasheet MON240228

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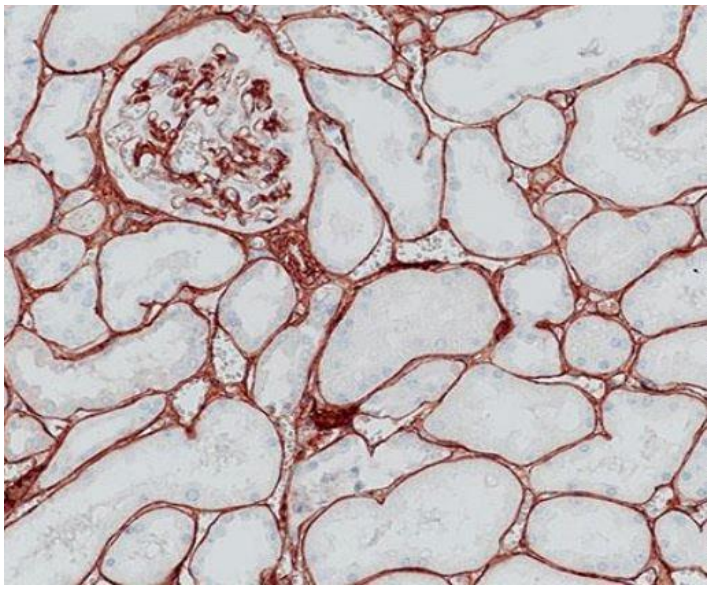
Additional info

Application note: IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C - 25°C) for 30 minutes.* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.Storage instruction: For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.Background: This gene encodes a type IV collagen alpha protein. Type IV collagen proteins are integral components of basement membranes. This gene shares a bidirectional promoter with a paralogous gene on the opposite strand. The protein consists of an amino-terminal 7S domain, a triple-helix forming collagenous domain, and a carboxy-terminal non-collagenous domain. It functions as part of a heterotrimer and interacts with other extracellular matrix components such as perlecans, proteoglycans, and laminins. In addition, proteolytic cleavage of the non-collagenous carboxy-terminal domain results in a biologically active fragment known as arresten, which has anti-angiogenic and tumor suppressor properties. Mutations in this gene cause porencephaly, cerebrovascular disease, and renal and muscular defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Images



Immunohistochemistry: Formalin/PFA-fixed and paraffin-embedded Human kidney tissue. Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0). The tissue section was stained with anti-Collagen IV antibody [SQab20215].

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References

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