

IHCAb™ Collagen Type IV mouse mAb (BGT165)

Cat #: B-IMW6941

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

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 perlecan, 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.

Product Information

Applications/Dilution: WB 1:1000-2000; IHC-p 1:100-500, IF 1:100-500

Isotype/Source: Mouse, Monoclonal/IgG2b, Kappa

Specificity: The antibody can specifically recognize human Collagen Type IV protein, collagen types I, II, III and V do not respond to the antibody

Subcellular Location: Secreted, extracellular space, extracellular matrix, basement membrane

Expression: Highly expressed in placenta

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.31% sodium azide

Storage: Store at -15°C to -25°C

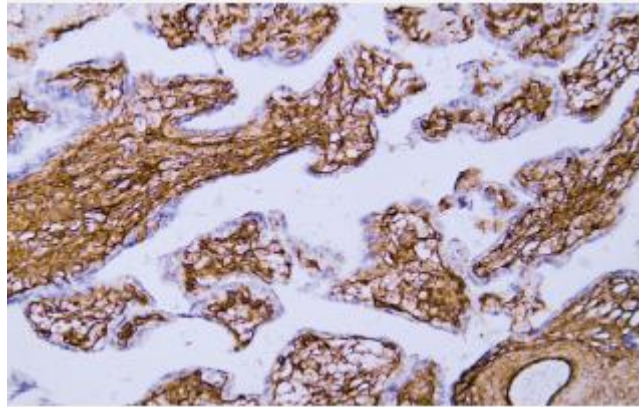


Fig. Human placenta tissue was stained with Anti-Collagen Type IV Antibody

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.