

Collagen IV (Mouse) Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250485

Unit: 0.1 mg

Description:

Type IV collagen is the major structural component of glomerular basement membranes forming a "chicken-wire" meshwork together with laminins, proteoglycans and entactin/nidogen. There are six type IV collagen isoforms, alpha 1(IV)-alpha 6(IV), each of which can form a triple helix structure with 2 other chains to generate type IV collagen network. Defects in type IV collagen are a cause of Alport syndrome autosomal recessive (APSAR), characterized by glomerulonephritis, renal failure, sensorineural deafness and eye abnormalities. Defects in type IV collagen are also a cause of benign familial hematuria (BFH). The antibody is directed against rodent alpha 1 isoform.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: M, P, R

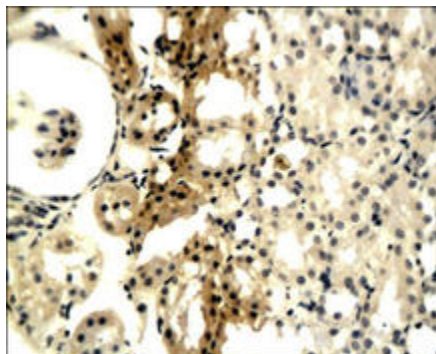
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Collagen alpha-4(IV) chain; COL4A4

Accession No.: Q9QZR9

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of mouse type IV collagen (isoform alpha 1).

Application Notes: Product Cat. No. 250485 is directed against alpha 1 isoform. E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



Collagen IV staining in rat kidney. Paraffin-embedded rat kidney is stained with Collagen IV (Mouse) Antibody (Cat. No. 250485) used at a 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.