

## Collagen type IV Antibody

**Subcategory:** Mouse Monoclonal Antibody

**Cat. No.:** 251737

**Unit:** 0.1 mg

**Description:**

Type IV collagen (collagen type IV) is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Defects in collagen type IV are a cause of Alport syndrome autosomal recessive (APSAR). APSAR is characterized by progressive glomerulonephritis, glomerular basement membrane defects, renal failure, sensorineural deafness and specific eye abnormalities (lenticonous and macular flecks).

**Isotype:** Mouse IgG1

**Applications:** E, WB, IHC

**Species Reactivity:** H

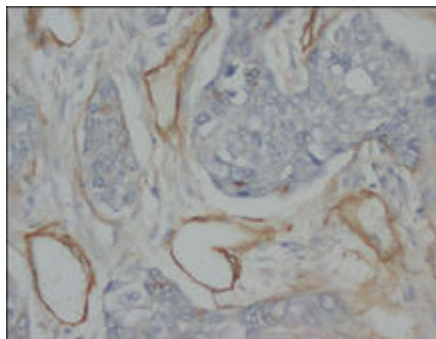
**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 2% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** Collagen alpha-4(IV) chain; COL4A4; Collagen type IV; COL4A1

**Accession No.:** P53420

**Antigen:** Human collagen type IV.

**Application Notes:** E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



**Collagen type IV staining in human mammary cancer. Paraffin-embedded human mammary cancer is stained with Collagen type IV Antibody (Cat. No. 251737) used at 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.