

COL4A3 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50277

Clone# BP6254

Predicted Molecular Wt: 162kDa

Species Cross-reactivity: Human

Applications: IHC-P

Purity: ProA affinity purified IgG

Form: Liquid

Swissprot ID: Q01955

Background:

Six α chain of Type IV collagen can aggregate into 3 triple helix molecular structure, which called monomer, monomer polymerization to form a dimer or tetramer, which can twist each other to form a collagen network structure. Mutations in the X-linked dominant Alport comprehensive acquisition gene mainly occurred in the gene encoding collagen type IV $\alpha 5$ chain (COL4A5). Mutations in the autosomal recessive Alport syndrome occur on chromosome 2 in genes encoding collagen type IV $\alpha 3$ or $\alpha 4$ strands (COL4A3/COL4A4).

COL4A3 is mainly expressed in podocytes in Bowman's capsule of glomeruli.

Subcellular location:

Basement membrane

Recommended Method:

High temperature and high pressure induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes. Amplifier for Mouse + Rabbit IgG for 25min, HRP Polymer Detector for 25 min.

Immunogen:

Recombinant protein fragment corresponding to human COL4A3. This information is proprietary to Biolynx and/or its suppliers.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

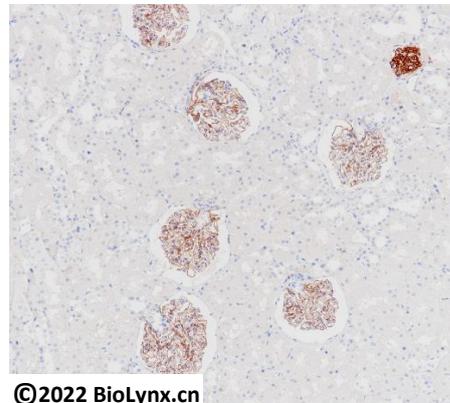
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

1. Tsugio Seki et al. Histochem Cell Biol (1998) 110:359-366
2. Yoshioka K et al. Am. J. Pathol (1994) . 144: 986-996



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney labelling COL4A3 with BP6254.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.