

Recombinant Collagen IV alpha 5 chain / COL4A5 Antibody

Rabbit Monoclonal Antibody [Clone COL4A5/9396R]

Catalog No	Format	Size
1287-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1287-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1287-RBM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

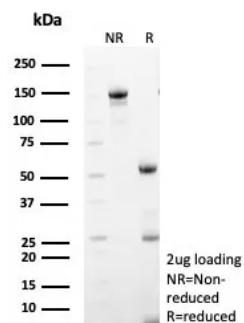
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

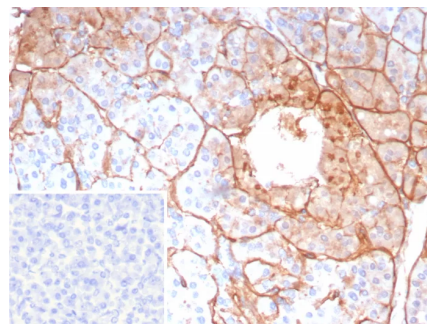
Clone	COL4A5/9396R
Gene Name	COL4A5
Immunogen	Recombinant fragment (around aa1400-1685) of human COL4A protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	161kDa
Cellular Localization	Secreted. Basement membrane.
Species Reactivity	Human
Positive Control	Human placenta or tonsil.

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant Collagen IV alpha 5 chain / COL4A5 Antibody



SDS-PAGE Analysis of Purified COL4A5 Recombinant Rabbit Monoclonal (COL4A5/9396R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human pancreas stained with COL4A5 Recombinant Rabbit Monoclonal Antibody (COL4A5/9396R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Type IV collagen is the major structural component of the glomerular basement membrane (GBM), forming a hexagonal network together with lamins, proteoglycans, and nestin. Deletions of the N-terminal regions of COL4A5 and COL4A6 were found in Xq22.3 chromosome deletion syndrome and were located in an end-to-end manner. This results in a phenotype characteristic of diffuse leiomyomatosis and Alport syndrome (DL-ATS).

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Developmental Biology, Lung Cancer, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
