

Recombinant Collagen IV alpha 3 chain (COL4A3) Antibody

Rabbit Monoclonal Antibody [Clone COL4A3/9395R]

Catalog No	Format	Size
1285-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1285-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1285-RBM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

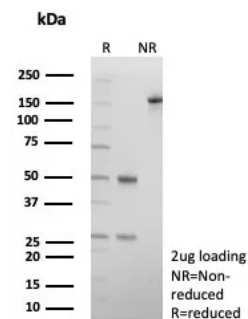
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

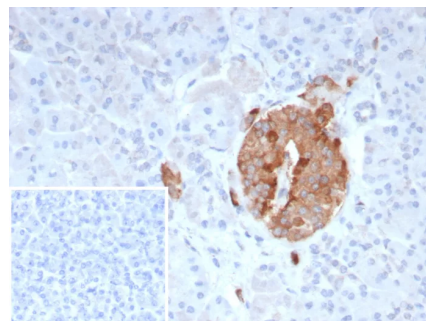
Clone	COL4A3/9395R
Gene Name	COL4A3
Immunogen	Recombinant fragment (around aa1400-1670) of human COL4A protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	161kDa
Cellular Localization	Secreted. Extracellular matrix.
Species Reactivity	Human
Positive Control	Human placenta or tonsil.

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant Collagen IV alpha 3 chain (COL4A3) Antibody



SDS-PAGE Analysis of Purified COL4A Recombinant Rabbit Monoclonal Antibody (COL4/9395R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human pancreas stained with Collagen IV Recombinant Rabbit Monoclonal Antibody (COL4/9395R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Collagen Type IV is a major component of the basement membrane and plays an important role in cell adhesion, migration, differentiation and growth. Collagen Type IV express at the basement membranes in a variety of tissues including kidney, muscle, lymph nodes, lung, tendon and spleen. Collagen Type IV has been shown to be useful in differentiating microinvasive from in situ ductal carcinomas of the breast. Other Collagen Type IV studies include use in pancreatic adenocarcinoma and chronic pancreatitis, nephrosclerosis and other kidney diseases, oral squamous cell carcinoma, laryngeal cancers, ovarian cancers and cervical cancers.

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

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.
