

Recombinant Collagen IV Antibody

Rabbit Monoclonal Antibody [Clone COL4/8657R]

| Catalog No | Format | Size |
|-----------------|---|--------|
| 1282-RBM6-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 1282-RBM6-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 1282-RBM6-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

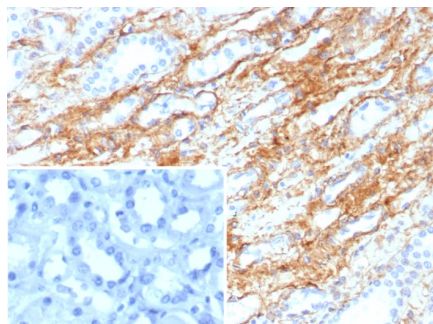
| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT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

Product Details

| | |
|------------------------|------------------------------------|
| Clone | COL4/8657R |
| Gene Name | COL4A1 |
| Immunogen | Purified human Collagen IV protein |
| 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 Antibody



Formalin-fixed, paraffin-embedded human kidney stained with Collagen IV Recombinant Rabbit Monoclonal Antibody (COL4/8657R). 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 purified from Bioreactor Concentrate by Protein A/G. 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.