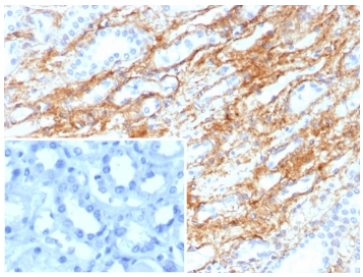
Collagen IV Antibody [clone COL4/8657R] (V4334)

Catalog No.	Formulation	Size
V4334-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4334-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4334SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	COL4/8657R
Purity	Protein A/G affinity
UniProt	P02462, P08572, P29400, P53420
Localization	Secreted, Extracellular matrix
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This Collagen IV antibody is available for research use only.



IHC staining of FFPE human kidney tissue with Collagen IV antibody (clone COL4/8657R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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.

Application Notes

Optimal dilution of the Collagen IV antibody should be determined by the researcher.

Immunogen

Purified human Collagen IV protein was used as the immunogen for the Collagen IV antibody.

Storage

Aliquot the Collagen IV antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.