

Collagen Type IV Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50067

Clone# BP6072

Predicted Molecular Wt: 161kDa

Species Cross-reactivity: Human

Applications: IHC-P

Purity: ProA affinity purified IgG

Form: Liquid

Swissprot ID: P02462

Background:

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.

Subcellular location:

Extracellular region or secreted

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Native protein of Collagen Type IV was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C

Storage instructions:

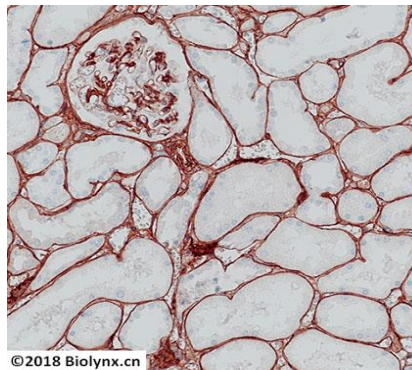
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:


IHC-P: 1:100-1:200

Background References:

1. Smrkolj S et al. Eur J Gynaecol Oncol. 2010; 31(4):380-5.
2. Khoshnoodi J et al. Microsc Res Tech. 2008 May;71(5):357-70.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of liver tissue labelling Collagen Type IV with BP6072. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

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