

For Research Use Only

Collagen Type VI Monoclonal ANTIBODY



Catalog Number: 66824-1-Ig

Basic Information

Catalog Number:

66824-1-Ig

Size:

150UL, Concentration: 1000 µg/ml by 1291

Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG11809

GenBank Accession Number:

BC052575

GeneID (NCBI):

1291

Full Name:

collagen, type VI, alpha 1

Calculated MW:

1028 aa, 109 kDa

Observed MW:

140-150 kDa

Purification Method:

Protein A purification

CloneNo.:

3H10B1

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:1000-1:4000

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: human skeletal muscle tissue, human heart tissue

IHC: human liver cancer tissue, human colon cancer tissue

Background Information

Type VI Collagen is a major structural component of microfibrils. Type VI Collagen was found to be present throughout the connective tissue and in the extracellular matrix of cultured fibroblasts (PMID: 6723253). It is a heterotrimer composed of three different chains: alpha-1(VI), alpha-2(VI), and alpha-3(VI) or alpha-5(VI) or alpha-6(VI). The alpha-1(VI) chain is encoded by COL6A1 gene. Mutations in this gene result in Bethlem myopathy and Ullrich congenital muscular dystrophy.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

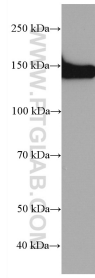
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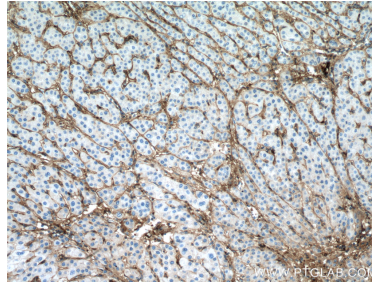
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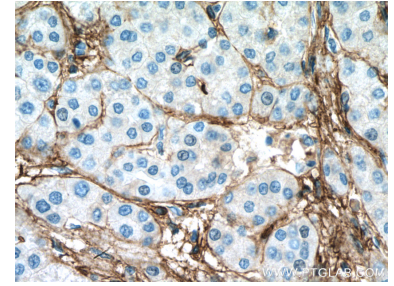
Selected Validation Data



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 66824-1-Ig (Collagen Type VI antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66824-1-Ig (Collagen Type VI antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66824-1-Ig (Collagen Type VI antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).