

COL6A3 Polyclonal antibody

Catalog Number: 19798-1-AP

Basic Information

Catalog Number:

19798-1-AP

Concentration:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004369

GeneID (NCBI):

1293

UNIPROT ID:

P12111

Full Name:

collagen, type VI, alpha 3

Calculated MW:

344 kDa

Observed MW:

300 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, 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:

IHC : human lung cancer tissue, human cervical cancer tissue, human urothelial carcinoma tissue

Background Information

COL6A3 belongs to the type VI collagen family. Collagen VI acts as a cell-binding protein. It is expected to be expressed in smooth muscle. And the calculated molecular weight of COL6A3 is 343 kDa. The protein has similar expression in obese and T2DM (2 patients, and it regulates the chemotaxis and inflammation of macrophages in adipose tissue. Its expression is also related to weight gain. The expression of this protein in adipocytes is related to insulin resistance, which is believed to depend on PPAR (peroxisome proliferator-activated receptor) α -mediated adipocyte development (PMID: 25337653). Defects in COL6A3 are a cause of Bethlem myopathy (BM). Defects in COL6A3 are a cause of Ullrich congenital muscular dystrophy (UCMD) which also known as Ullrich scleroatonic muscular dystrophy. This antibody is specific to COL6A3.

Storage

Storage:

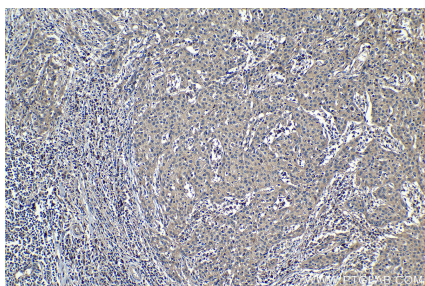
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

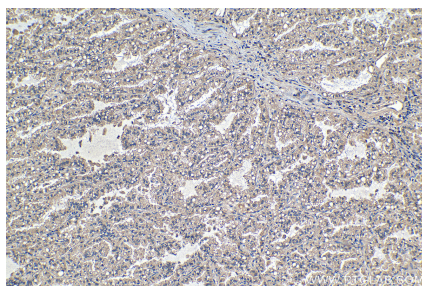
PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

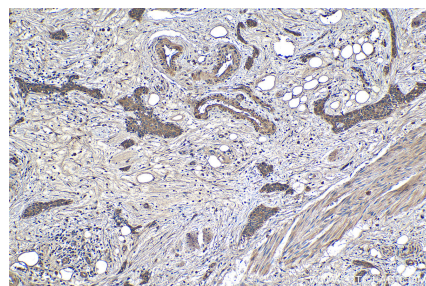
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 19798-1-AP (Collagen Type VI antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 19798-1-AP (Collagen Type VI antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 19798-1-AP (Collagen Type VI antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).