For Research Use Only

Collagen Type VI Polyclonal antibody

Catalog Number:31280-1-AP

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Basic Information

Catalog Number:
31280-1-AP

Size:
150ul , Concentration: 150 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG35065

GenBank Accession Number:
NM_004369

GeneID (NCBI):
1293

UNIPROT ID:
P12111

Full Name:
collagen, type VI, alpha 3

Calculated MW:
344 kDa

Observed MW:
140 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : HEK-293 cells,

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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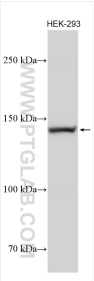
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31280-1-AP (COL6A3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.