

For Research Use Only

Collagen Type VI Polyclonal antibody



Catalog Number: 14853-1-AP

8 Publications

Basic Information

Catalog Number: 14853-1-AP	GenBank Accession Number: BC065509	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 1292	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:500-1:2000
Source: Rabbit	UNIPROT ID: P12110	
Isotype: IgG	Full Name: collagen, type VI, alpha 2	
Immunogen Catalog Number: AG6635	Calculated MW: 109 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
human, pig

Cited Species:
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 placenta tissue, pig skin tissue, human heart tissue

IHC: human stomach tissue, human liver cancer tissue

Background Information

Collagen VI, composed of three polypeptides, alpha-1(VI), alpha-2(VI), and alpha-3(VI) chains, is a beaded filament collagen found in most connective tissues. The alpha-1(VI) and alpha-2(VI) chains are 140 kDa, while the alpha-3(VI) chain is 200-300 kDa (PMID: 3792302, 3348212). COL6A2 gene encodes the alpha-2 subunit of type VI collagen. The alpha-2(VI) subunit has a calculated molecular weight of 109 kDa, and an apparent molecular weight of 140 kDa due to posttranslational modification. Mutations in COL6A2 gene are associated with Bethlem myopathy and Ullrich scleroatonic muscular dystrophy. Three transcript variants have been identified for this gene.

Notable Publications

Author	Pubmed ID	Journal	Application
Emna Ouni	35341935	Matrix Biol	IF
Naomi A Carne	30890563	Mol Cell Proteomics	WB
Naomi A. Carne	33526191	Mol Cell Proteomics	WB

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

For technical support and original validation data for this product please contact:

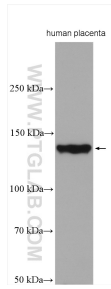
T: 4006900926

E: Proteintech-CN@ptglab.com

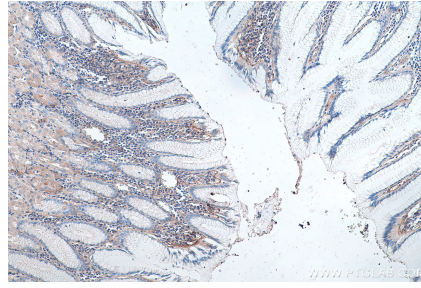
W: ptgcn.com

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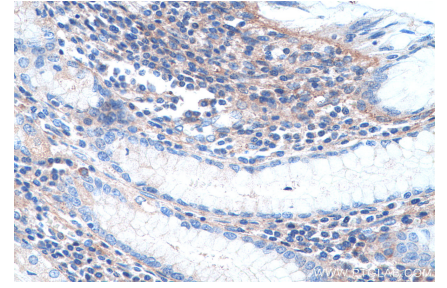
Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 14853-1-AP (Collagen Type VI antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 14853-1-AP (Collagen Type VI antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 14853-1-AP (Collagen Type VI antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).