

For Research Use Only

Collagen Type XI Polyclonal antibody

Catalog Number: 21841-1-AP

5 Publications



Basic Information

| | | | | | |
|---------------------------|------------|---------------------------|----------------------------|------------------------|-------------------------------|
| Catalog Number: | 21841-1-AP | GenBank Accession Number: | BC117697 | Purification Method: | Antigen affinity purification |
| Concentration: | 650 ug/ml | GeneID (NCBI): | 1301 | Recommended Dilutions: | IHC 1:50-1:500 |
| Source: | Rabbit | UNIPROT ID: | P12107 | | IF-P 1:50-1:500 |
| Isotype: | IgG | Full Name: | collagen, type XI, alpha 1 | | |
| Immunogen Catalog Number: | AG16509 | Calculated MW: | 1818 aa, 182 kDa | | |

Applications

| | | | |
|----------------------|------------------|--------------------|------------------------|
| Tested Applications: | IHC, IF-P, ELISA | Positive Controls: | |
| Cited Applications: | IHC, IF | IHC : | human placenta tissue, |
| Species Specificity: | human | IF-P : | human placenta tissue, |
| 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

Background Information

COL11A1 is an important component of collagen XI and is considered to play an important role in a variety of connective tissue diseases. Type XI collagen is widely distributed in tissues including cartilage, bone, and muscle, and its hereditary absence in Marshall's syndrome, Stickler's syndrome, fibrochondrogenesis, and nonsyndromic hearing loss deafness, autosomal dominant 37 leads to facial and eye abnormalities, hearing loss, and joint problems. The COL11A1 expression was significantly correlated with the degree of immune infiltration and the expression of a variety of immune cell markers in tumor tissue. (PMID: 36160004 33610546)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|------------------|-------------|
| Wenjie Shi | 36389832 | Front Immunol | IHC |
| Nanxin Zheng | 36371957 | Transl Oncol | IF |
| Haosheng Zheng | 38649961 | BMC Med Genomics | IHC,IF |

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

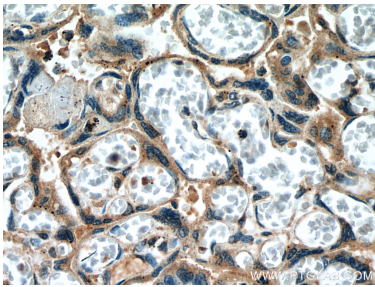
T: 4006900926

E: Proteintech-CN@ptglab.com

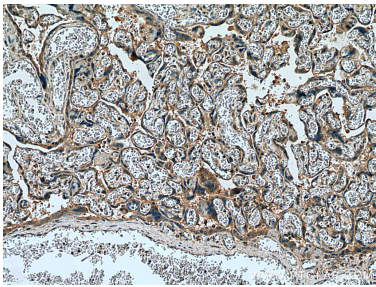
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 21841-1-AP (Collagen Type XI antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



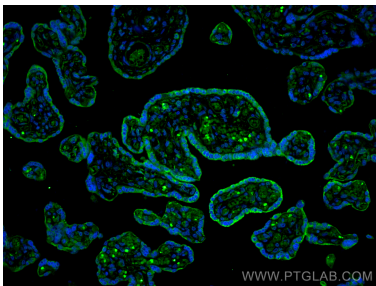
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 21841-1-AP (Collagen Type XI antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 21841-1-AP (Collagen Type XI 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 cancer tissue slide using 21841-1-AP (Collagen Type XI antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using Collagen Type XI antibody (21841-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).