

For Research Use Only

# COL6A6 Polyclonal antibody

Catalog Number: 22302-1-AP



## Basic Information

<b>Catalog Number:</b> 22302-1-AP	<b>GenBank Accession Number:</b> NM_001102608	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 131873	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> collagen type VI alpha 6	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 247 kDa	
	<b>Observed MW:</b> 167 kDa, 250 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, Mouse	<b>WB :</b> mouse heart tissue, mouse skeletal muscle tissue
	<b>IHC :</b> mouse heart tissue, mouse lung tissue

**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

Collagen type VI alpha 6 chain (COL6A6) belongs to the collagen VI (COL6) family which acts as a vital role in the extracellular matrix. COL6A6 encodes a 2,262-amino acid protein that contains multiple von Willebrand factor domains and forms a component of the basal lamina of epithelial cells (PMID: 33747955). COL6A6 is a novel tumor suppressor gene in NSCLC and can serve as a potentially valuable prognostic biomarker and therapeutic target for NSCLC (PMID: 35116307).

## 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

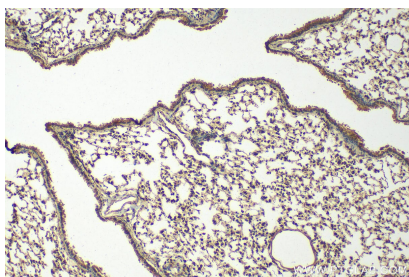
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

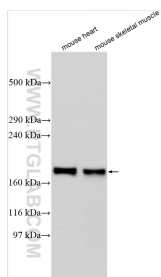
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

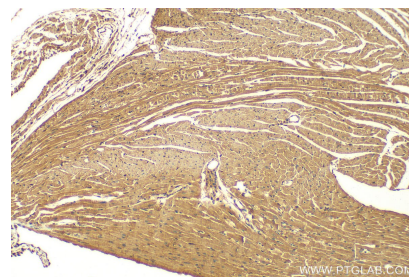
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 22302-1-AP (COL6A6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 22302-1-AP (COL6A6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 22302-1-AP (COL6A6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).