

For Research Use Only

# COL4A3-specific Polyclonal antibody



Catalog Number: 18305-1-AP

## Basic Information

<b>Catalog Number:</b> 18305-1-AP	<b>GenBank Accession Number:</b> NM_000091	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1285	
<b>Source:</b> Rabbit	<b>Full Name:</b> collagen, type IV, alpha 3 (Goodpasture antigen)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 162 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse

## Background Information

Tumstatin is a cleavage fragment(C-term-245aa) corresponding to the collagen alpha 3(IV) NC1 domain, possesses both anti-angiogenic and anti-tumor cell activity; these two anti-tumor properties may be regulated via RGD-independent ITGB3-mediated mechanisms. Tumstatin indicated proapoptotic activity by selective inhibition of protein synthesis on endothelial cells. At normal physiologic levels, tumstatin, a cleavage product of the alpha3 chain of type IV collagen, is capable of suppressing pathologic angiogenesis and tumor growth, according to animal study findings published in the June issue of Cancer Cell.

## 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)

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## Selected Validation Data