

## Anti-Collagen VI Rabbit pAb



WL03927

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-Collagen VI Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:500-1:1000
	IHC	1:100-1:400
	IF	1:100-1:400
<b>Cellular localization</b>	Secreted, extracellular space, extracellular matrix	
<b>Pack size</b>	50/100/200/500/1000µl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

<b>Background</b>	The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple-helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha1(VI), alpha2(VI), and alpha3(VI) chains. The alpha2(VI) and alpha3(VI) chains are encoded by the COL6A2 and COL6A3 genes, respectively. The protein encoded by this gene is the alpha 1 subunit of type VI collagen (alpha1(VI) chain). Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy.
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Collagen VI.
<b>Purification</b>	Polyclonal antibody was purified by immungen affinity chromatography.

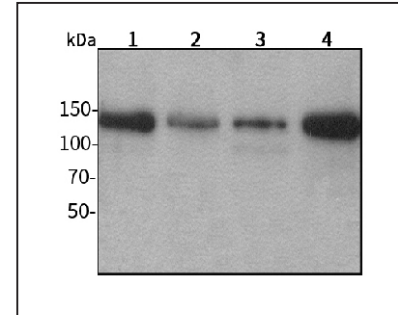
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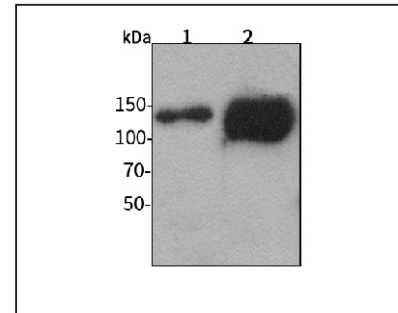
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## Product Images



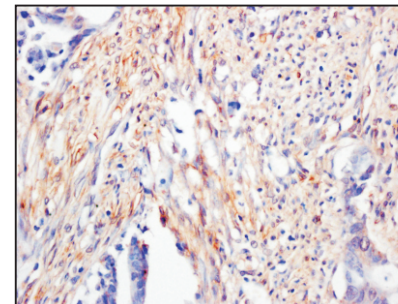
## Western blot-Anti-Collagen VI pAb

Lane 1: Human Hela cell lysate  
 Lane 2: Human MCF-7 cell lysate  
 Lane 3: Human HEK-293 cell lysate  
 Lane 4: Human A549 cell lysate  
 All lanes: Anti-Collagen VI at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 109 kDa  
 Observed band size: 140 kDa



## Western blot-Anti-Collagen VI pAb

Lane 1: Mouse liver tissue lysate  
 Lane 2: Rat colon tissue lysate  
 All lanes: Anti-Collagen VI at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 109 kDa  
 Observed band size: 140 kDa



## Immunohistochemistry-Anti-Collagen VI pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-Collagen VI Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

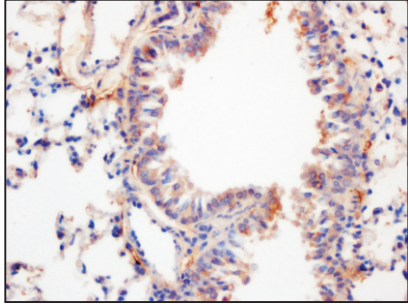
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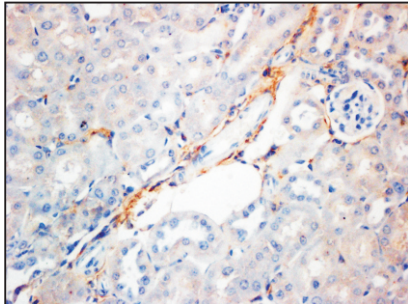
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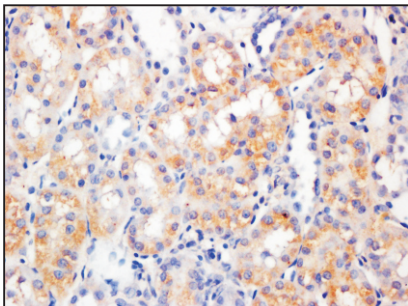
#### Immunohistochemistry-Anti-Collagen VI pAb

Immunohistochemical analysis of paraffin-embedded mouse lung using anti-Collagen VI Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunohistochemistry-Anti-Collagen VI pAb

Immunohistochemical analysis of paraffin-embedded mouse kidney using anti-Collagen VI Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunohistochemistry-Anti-Collagen VI pAb

Immunohistochemical analysis of paraffin-embedded rat kidney using anti-Collagen VI Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

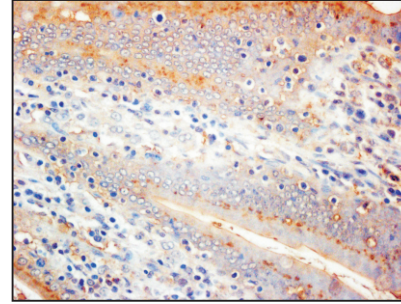
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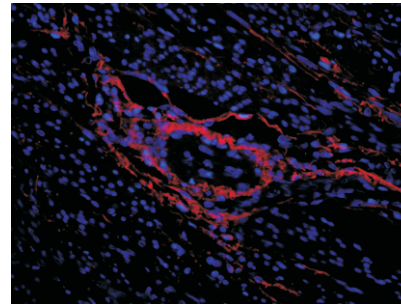
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### Product Images



#### Immunohistochemistry-Anti-Collagen VI pAb

Immunohistochemical analysis of paraffin-embedded rat colon using anti-Collagen VI Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunofluorescence-Anti-Collagen VI pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti-Collagen VI Rabbit Antibody at 1:200 dilution.  
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0