


## Product datasheet

# Anti-Collagen VI antibody [EPR7888(N)] ab172606

Recombinant RabMAb

[2 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-Collagen VI antibody [EPR7888(N)]
<b>Description</b>	Rabbit monoclonal [EPR7888(N)] to Collagen VI
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> ICC/IF, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide within Human Collagen VI aa 200-300. The exact sequence is proprietary. Database link: <a href="#">P12110</a>
<b>Positive control</b>	Human skin, placenta and fetal heart lysates.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR7888(N)

**Isotype**                                IgG

## Applications

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**The Abpromise guarantee**            Our **Abpromise guarantee** covers the use of ab172606 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 140 kDa (predicted molecular weight: 109 kDa).

**Application notes**                      Is unsuitable for ICC/IF, IHC-P or IP.

## Target

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**Function**                                      Collagen VI acts as a cell-binding protein.

**Involvement in disease**                      Defects in COL6A1 are a cause of Bethlem myopathy (BM) [MIM:158810]. BM is a rare autosomal dominant proximal myopathy characterized by early childhood onset (complete penetrance by the age of 5) and joint contractures most frequently affecting the elbows and ankles.  
Defects in COL6A1 are a cause of Ullrich congenital muscular dystrophy (UCMD) [MIM:254090]; also known as Ullrich scleroatonic muscular dystrophy. UCMD is an autosomal recessive congenital myopathy characterized by muscle weakness and multiple joint contractures, generally noted at birth or early infancy. The clinical course is more severe than in Bethlem myopathy.

**Sequence similarities**                      Belongs to the type VI collagen family.  
Contains 3 VWFA domains.

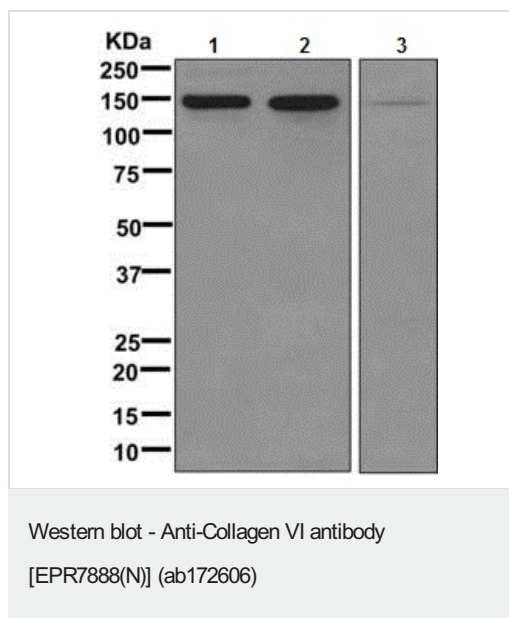
**Post-translational modifications**                      Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.

**Cellular localization**                      Secreted > extracellular space > extracellular matrix.

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## Images

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**All lanes :** Anti-Collagen VI antibody [EPR7888(N)] (ab172606) at 1/1000 dilution

**Lane 1 :** Human skin lysate

**Lane 2 :** Human placenta lysate

**Lane 3 :** Human fetal heart lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 109 kDa

Why choose a recombinant antibody?

<p><b>Research with confidence</b> Consistent and reproducible results</p>	<p><b>Long-term and scalable supply</b> Recombinant technology</p>
<p><b>Success from the first experiment</b> Confirmed specificity</p>	<p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Collagen VI antibody [EPR7888(N)] (ab172606)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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