

## Datasheet: AHP2049

**BATCH NUMBER 155441**

<b>Description:</b>	RABBIT ANTI COLLAGEN VI
<b>Specificity:</b>	COLLAGEN VI
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin (1)	■			1 - 5 ug/ml
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	
Immunofluorescence			■	
Functional Assays			■	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Bovine</p> <p>Based on sequence similarity, is expected to react with: Mammals</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>

<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to Collagen IV was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	0.02M Potassium Phosphate, 0.15M NaCl
<b>Preservative Stabilisers</b>	0.01% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Total protein concentration 1.0 mg/ml
<b>Immunogen</b>	Collagen Type VI from Human and Bovine Placenta.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P12109</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1291</a> COL6A1    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2083109
<b>Specificity</b>	<p><b>Rabbit anti Human collagen VI antibody</b> detects mammalian collagen type VI, also known as COL6A, a secreted extracellular matrix protein involved in cellular adhesion.</p> <p>Collagen type specific antibodies are dependent on non-denatured three-dimensional epitopes. Therefore, the reactivity and selectivity of this antibody will be significantly reduced if denatured and reducing conditions of SDS-PAGE and immunblotting are used.</p>
<b>Histology Positive Control Tissue</b>	Human breast or lung
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #20476 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/AHP2049">https://www.bio-rad-antibodies.com/SDS/AHP2049</a>  20476</p>
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

## Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

'M374081:201019'

**Printed on 18 Jan 2024**

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