

Datasheet: AHP1322

**BATCH NUMBER 169842**

<b>Description:</b>	RABBIT ANTI HUMAN FAP ALPHA
<b>Specificity:</b>	FAP ALPHA
<b>Other names:</b>	SEPRASE
<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)	▪			10 ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
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>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to FAP alpha were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Synthetic peptide: extracellular domain of human FAP alpha, conjugated to keyhole limpet hemocyanin.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q12884</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2191</a>    FAP    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2102362
<b>Specificity</b>	<p><b>Rabbit anti Human FAP alpha antibody</b> detects fibroblast activation protein alpha (FAP alpha), a type II membrane protein belonging to the serine protease family. FAP alpha is upregulated on activated fibroblasts in response to wounding, and may also be involved in epithelial-mesenchymal interactions during development and tissue repair.</p> <p>Active FAP alpha is a ~170 kDa homodimeric protein which can also exist as a soluble form. FAP alpha can also form heterodimeric complexes with CD26 (DPP4), and these proteins may function co-ordinately to modulate the growth, differentiation, adhesion and metastasis of tumour cells.</p>
<b>Histology Positive Control Tissue</b>	Uterus
<b>Further Reading</b>	1. Kelly, T. (2005) Fibroblast activation protein-alpha and dipeptidyl peptidase IV (CD26): cell-surface proteases that activate cell signaling and are potential targets for cancer therapy. <a href="#">Drug Resist Updat. 8 (1-2): 51-8.</a>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1322">https://www.bio-rad-antibodies.com/SDS/AHP1322</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

### Recommended Useful Reagents

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M389134:210806'

Printed on 21 Dec 2025

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