

## Datasheet: AHP1322

<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>	0.09% 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>	<b>UniProt:</b> <a href="#">Q12884</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">2191</a> FAP <a href="#">Related reagents</a>
<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>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>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...)    [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...)    [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...)    [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

### Recommended Useful Reagents

- [HISTAR DETECTION SYSTEM \(STAR3000A\)](#)
- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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