

## Datasheet: AHP783

<b>Description:</b>	RABBIT ANTI HUMAN KGF
<b>Specificity:</b>	KGF
<b>Other names:</b>	FGF-7
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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)	▪			
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.56 - 0.85ug/ml

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 enzyme mediated antigen retrieval prior to staining of paraffin sections. Proteinase K is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.
<b>Antiserum Preparation</b>	Antisera to human KGF 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>	None present
<b>Carrier Free</b>	Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Recombinant human KGF.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P21781</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2252</a>   FGF7   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	KGF
<b>RRID</b>	AB_808581
<b>Specificity</b>	<p><b>Rabbit anti Human KGF antibody</b> recognizes human KGF (keratinocyte growth factor), a member of the fibroblast growth factor family, which acts as a potent mitogen of epithelial cells, predominantly of keratinocyte origin.</p> <p>KGF is secreted by fibroblasts in response to stimulation from inflammatory mediators, including IL-1 beta and PDGF-BB (platelet-derived growth factor B), and binds specifically to a splice variant of the FGF receptor 2 (FGFR2-IIIb), known as the KGF receptor.</p>
<b>References</b>	1. Al-hamilly, N.S. <i>et al.</i> (2016) Biological roles of KGF, CTGF and TGF- $\beta$ in cyclosporine-A- and phenytoin- induced gingival overgrowth: A comparative experimental animal study. <a href="#">Arch Oral Biol. 66: 38-43.</a>
<b>Further Reading</b>	1. Rubin, J.S. <i>et al.</i> (1989) Purification and characterization of a newly identified growth factor specific for epithelial cells. <a href="#">Proc Natl Acad Sci U S A. 86 (3): 802-6.</a>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. 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 #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.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

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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