

Datasheet: AHP1038B

**BATCH NUMBER 270814**

<b>Description:</b>	RABBIT ANTI HUMAN FGF BASIC:Biotin
<b>Specificity:</b>	FGF BASIC
<b>Other names:</b>	FGF2
<b>Format:</b>	Biotin
<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			▪	
ELISA	▪			0.15 - 0.30ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.5ml sterile PBS containing 0.1% Bovine Serum Albumin. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.

**Antiserum Preparation** Antisera to human FGF basic 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>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml after reconstitution.
<b>Immunogen</b>	Recombinant human FGF basic ( <a href="#">PHP105</a> )
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P09038</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2247</a>    FGF2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	FGFB
<b>RRID</b>	AB_2231756
<b>Specificity</b>	<p><b>Rabbit anti Human FGF basic polyclonal antibody</b> recognizes human Fibroblast Growth Factor (FGF) basic, otherwise known as FGF 2 (fibroblast growth factor 2), a member of the heparin-binding growth factor family which exists in both cytosolic and nuclear isoforms, ranging in size from 18-24kDa, expressed by the majority of cells and tissues.</p> <p>FGF basic is a multi-functional growth factor identified as a potent inducer of angiogenesis, an important factor in wound healing, tumour vascularisation and cardiovascular disease and is pivotal for the development and maintenance of vascular integrity during embryogenesis.</p> <p>The recombinant basic FGF protein used as immunogen for development of Rabbit anti Human FGF basic polyclonal antibody corresponds to the C-terminal portion of the molecule (A<sub>135</sub> - S<sub>288</sub>), present in all known isoforms of human FGF basic, thus all isoforms are expected to be recognized by this Rabbit anti Human FGF basic polyclonal antibody.</p>
<b>ELISA</b>	This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA together with a <a href="#">Rabbit anti Human FGF basic antibody</a> (AHP1038) as the capture reagent and <i>E.coli</i> derived <a href="#">recombinant Human FGF basic protein</a> (PHP105) as the standard.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Qian, X. <i>et al.</i> (1997) FGF2 concentration regulates the generation of neurons and glia from multipotent cortical stem cells. <a href="#">Neuron. 18: 81-93.</a></li> <li>2. Yan, W. <i>et al.</i> (2017) High mechanical strength chitosan-based hydrogels cross-linked with poly(ethylene glycol)/polycaprolactone micelles for the controlled release of drugs/growth factors <a href="#">J Mater Chem B. 5 (5): 961-71.</a></li> </ol>

**Storage** Prior to reconstitution store at +4°C.  
After reconstitution store at -20°C.  
Storage in frost-free freezers is not recommended. 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.

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**Guarantee** 12 months from date of reconstitution.

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**Health And Safety Information** Material Safety Datasheet documentation #10162 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1038B>  
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**Regulatory** For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)  
'M337012:181214'

**Printed on 18 Jan 2024**

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