

Datasheet: AHP1038B

Description:	RABBIT ANTI HUMAN FGF BASIC:Biotin
Specificity:	FGF BASIC
Other names:	FGF2
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	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.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present.
Approx. Protein Concentrations	IgG concentration 0.1mg/ml after reconstitution.

Immunogen Recombinant human FGF basic ([PHP105](#))

**External Database
Links**

UniProt:

[P09038](#) [Related reagents](#)

Entrez Gene:

[2247](#) FGF2 [Related reagents](#)

Synonyms

FGFB

Specificity

Rabbit anti Human FGF basic polyclonal antibody 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.

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.

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 (A₁₃₅ - S₂₈₈), 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.

ELISA

This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA together with a [Rabbit anti Human FGF basic antibody](#) (AHP1038) as the capture reagent and *E.coli* derived [recombinant Human FGF basic protein](#) (PHP105) as the standard.

References

1. Qian, X. *et al.* (1997) FGF2 concentration regulates the generation of neurons and glia from multipotent cortical stem cells. [Neuron. 18: 81-93.](#)
2. Yan, W. *et al.* (2017) High mechanical strength chitosan-based hydrogels cross-linked with poly(ethylene glycol)/polycaprolactone micelles for the controlled release of drugs/growth factors [J Mater Chem B. 5 \(5\): 961-71.](#)

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.

Shelf Life

12 months from date of reconstitution.

**Health And Safety
Information**

Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

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