

Datasheet: AHP1038B

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| 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.

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| Target Species | Human |
| Product Form | Purified IgG conjugated to Biotin - lyophilized |
| 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 |

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| Preservative Stabilisers | None present. |
| Carrier Free | Yes |
| Approx. Protein Concentrations | IgG concentration 0.1mg/ml after reconstitution. |
| Immunogen | Recombinant human FGF basic (PHP105) |
| External Database Links | <p>UniProt: P09038 Related reagents</p> <p>Entrez Gene: 2247 FGF2 Related reagents</p> |
| Synonyms | FGFB |
| RRID | AB_2231756 |
| Specificity | <p>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.</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 (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.</p> |
| 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 <i>E.coli</i> derived recombinant Human FGF basic protein (PHP105) as the standard. |
| References | <ol style="list-style-type: none"> Wen, Y. <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. J Mater Chem B. 5 (5): 961-71. Zhao, Y. <i>et al.</i> (2023) Controlled Release of Growth Factor from Heparin Embedded Poly(aldehyde guluronate) Hydrogels and Its Effect on Vascularization. Gels. 9(7):589. |

Storage Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10294 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP1038B>
10294

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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)

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