

PP1007B1**Polyclonal Antibody to FGF basic / FGF2 - Biotin****Alternate names:**

BFGF, FGFB, Fibroblast growth factor 2 (basic), HBGF-2, HBGF2, Heparin-binding growth factor 2

Quantity:

25 µg

Background:

FGF basic (FGF2) is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. FGF2 is involved in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. FGF2 mRNA contains multiple polyadenylation sites, and is alternatively translated from AUG and non-AUG (CUG) initiation codons resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF.

Uniprot ID:[P09038](#)**NCBI:**[NP_001997.5](#)**GeneID:**[2247](#)**Host:**

Rabbit

Immunogen:

E.coli-derived, 17.2 kDa Recombinant Human FGF-basic (Cat.-No PA055).

Format:**State:** Lyophilized purified Ig fraction.**Purification:** Affinity chromatography.**Buffer System:** PBS, pH 7.2 without preservatives.**Endotoxin Level:** < 0.1 ng/µg of protein (< 1 EU/µg).**Label:** Biotin – conjugated**Reconstitution:** Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.**Applications:**

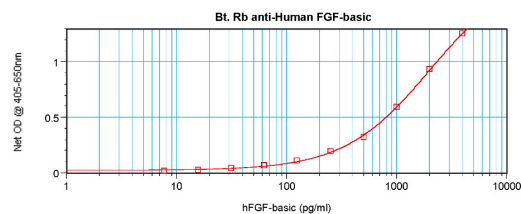
Direct ELISA: To detect Human FGF-basic by direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of ~1.0 µg/ml. Used in conjunction with compatible secondary reagents, allows the detection of at least 2000-4000 pg/well of recombinant Human FGF-basic.

Sandwich ELISA: To detect Human FGF-basic by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25–1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with Polyclonal Anti-Human FGF-basic (Cat.-No PP1007P) as a capture antibody, allows the detection of at least 2000–4000 pg/well of recombinant Human FGF-basic.

Western Blot: To detect hFGF-basic by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human FGF-basic is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:	Human Fibroblast Growth Factor basic (FGF-2).
Add. Information:	Centrifuge vial prior to opening!
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Pictures:	Sandwich ELISA using PP1007B Antibody



Direct ELISA using PP1007B Antibody

