

Product datasheet for **PP1007P2**

FGF2 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ELISA, FN, IHC, WB

Recommended Dilution: Immunohistochemistry: This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentrations are 0.25 µg/ml-0.5 µg/ml for two hours at room temperature. An HRP-labeled polymer detection system was used with DAB chromogen. Heat induced antigen retrieval was performed with a pH 6.0 Sodium Citrate buffer.

Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of human FGF-basic (0.3 ng/ml), a concentration of 0.25-0.40 µg/ml of this antibody is required.

ELISA: To detect human FGF-basic by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with biotinylated anti-human FGF-basic (PP1007B1, PP1007B2) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant human FGF-basic.

To detect hFGF-2 by indirect ELISA (using 100 µl/well antibody solution) use a concentration of 0.5-2.0 µg/ml of this antibody.

Western Blot: To detect human FGF-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 hFGF-basic is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Immunogen: Highly pure recombinant human FGF-2 (hFGF-2)

Specificity: Human Fibroblast Growth Factor basic (FGF-2).

Formulation: PBS, pH 7.2 without preservatives.

State: Aff - Purified

State: Lyophilized purified Ig fraction.

Reconstitution Method: Centrifuge vial prior to opening.

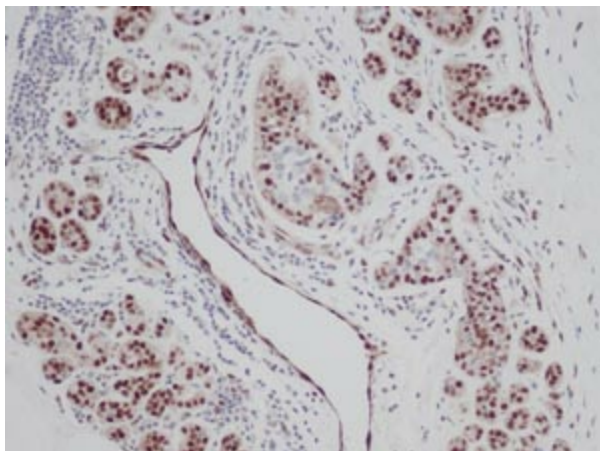
Restore in sterile water to a concentration of 0.1-1.0 mg/ml.



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Purification:	Affinity chromatography employing an immobilized human FGF-basic matrix
Conjugation:	Unconjugated
Storage:	The lyophilized antibody is stable at room temperature for up to one month. For longer storage store the antibody at -20°C prior to reconstitution. Following reconstitution the antibody can be stored at 2-8°C for two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	fibroblast growth factor 2
Database Link:	Entrez Gene 2247 Human P09038
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.
Synonyms:	FGFB, Heparin-binding growth factor 2, Fibroblast growth factor 2 (basic), BFGF, HBGF-2, HBGF2

Product images:



Immunohistochemistry: Antibody Cat.no. [PP1007P] stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. Tissue samples were provided by the Cooperative Human Tissue Network which is funded by the National Cancer Institute.

