

## Product datasheet for DP3506

### FGF2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	<b>Neutralization:</b> To yield one-half maximal inhibition (ND50) of the biological activity of human FGF-2 basic (5 ng/ml) on HUVEC cells, a concentration of about 3.5 µg/ml of this antibody is required. <b>Western Blot:</b> 2-5 µg/ml.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98%) recombinant Human FGF-2 (basic) [Ala136 – Ser288] produced in E.coli (Cat.-No DA3503XC).
Specificity:	The antibody will detect Human FGF-2 (basic).
Formulation:	PBS, pH 7.4 without stabilizer or preservative State: Azide Free State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	fibroblast growth factor 2
Database Link:	<a href="#">Entrez Gene 2247 Human P09038</a>



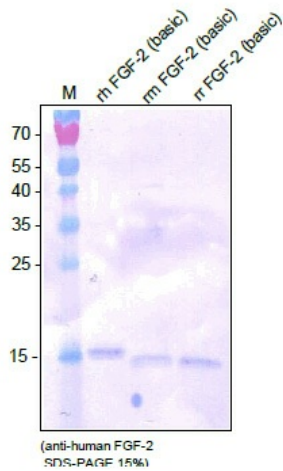
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**Background:**

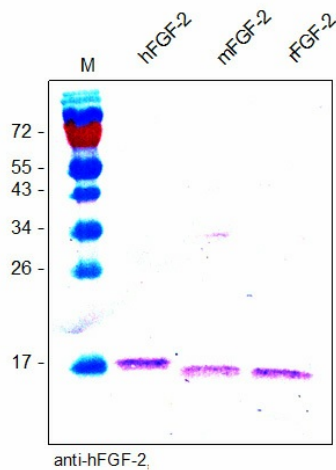
FGF basic (FGF2) is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. FGF2 is involved in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. FGF2 mRNA contains 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:**

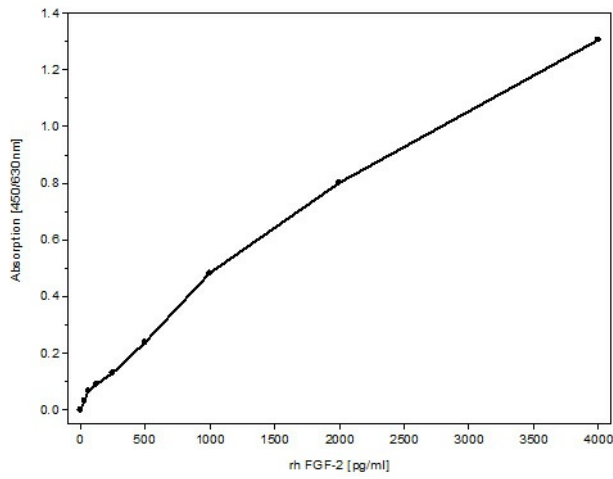
FGFB, Heparin-binding growth factor 2, Fibroblast growth factor 2 (basic), BFGF, HBGF-2, HBGF2

**Product images:**


Western analysis of recombinant human (DA3503XC), mouse and rat FGF-2 (basic) using a polyclonal antibody directed against recombinant human FGF-2. As expected the antibody cross reacts with the mouse and rat proteins.



Test of cross-reactivity of anti-Human FGF-2 polyclonal antibody by Western blot analysis. Recombinant human, mouse and Rat FGF-2 produced in E. coli were loaded under reducing conditions in 15% SDS-polyacrylamide gel. Anti-human FGF-2 recognizes also the mouse and the rat form.



FGF-2 Sandwich-ELISA using a polyclonal Goat anti-human FGF-2 as capture antibody and recombinant human FGF-2 ([DA3503X]) as standard. The polyclonal rabbit anti-human FGF-2 antibody in combination with a goat anti-rabbit-Biotin was used for detection.