
FGF2 Rabbit pAb

Catalog Number: bs-0217R

Target Protein: FGF2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), Flow-Cyt (1µg/Test)

Reactivity: Human, Mouse (predicted:Rat, Rabbit, Sheep, Cow, Chicken)

Predicted MW: 18 kDa

Entrez Gene: 2247

Swiss Prot: P09038

Source: KLH conjugated synthetic peptide derived from human bFGF: 143-250/288.

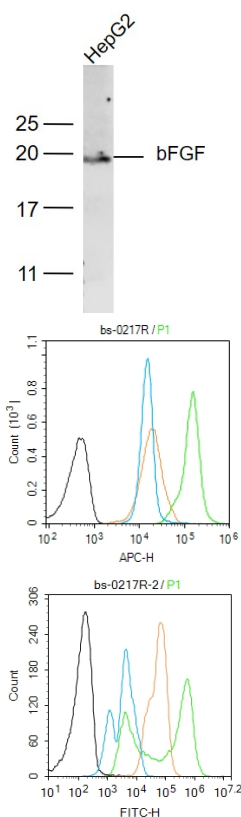
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG 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. [provided by RefSeq, Jul 2008].

VALIDATION IMAGES



Sample: HepG2(Human) Cell Lysate at 30 ug Primary: Anti-bFGF (bs-0217R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 18 kD Observed band size: 18 kD

Blank control (Black line): Molt4 (Black). Primary Antibody (green line): Rabbit Anti-bFGF antibody (bs-0217R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Blank control:HepG2. Primary Antibody (green line): Rabbit Anti-bFGF antibody (bs-0217R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.991] Xiangfeng Li. et al. Design of macropore structure and micro-nano topography to promote the early neovascularization and osteoinductivity of biphasic calcium phosphate bioceramics. *Mater Design*. 2022 Apr;216:110581 IF ; Human . 10.1016/j.matdes.2022.110581

[IF=6.633] Anna Krzyżewska. et al. Cannabidiol alleviates right ventricular fibrosis by inhibiting the transforming growth factor β pathway in monocrotaline-induced pulmonary hypertension in rats. *BBA-MOL BASIS DIS*. 2023 Aug;1869:166753 IHC ; Rat . 37187449

[IF=6.7] Cui Shuang-Shuang. et al. Mucin1 induced trophoblast dysfunction in gestational diabetes mellitus via Wnt/β-catenin pathway. *BIOL RES*. 2023 Dec;56(1):1-14 IF ; Human . 37608294

[IF=6.832] Liu, Jingyu. et al. Therapeutic effect of adipose stromal vascular fraction spheroids for partial bladder outlet obstruction induced underactive bladder. *Stem Cell Res Ther*. 2022 Dec;13(1):1-16 WB ; Rat . 35139904

[IF=5.62] He, Ting, et al. "Tumor cell-secreted angiogenin induces angiogenic activity of endothelial cells by suppressing miR-542-3p." *Cancer Letters* (2015). WB ; ="Human" . 26272182