

**bs-0217R****[ Primary Antibody ]****FGF2 Rabbit pAb**

**Bioss**  
ANTIBODIES

www.bioss.com.cn

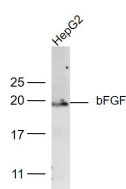
sales@bioss.com.cn

techsupport@bioss.com.cn

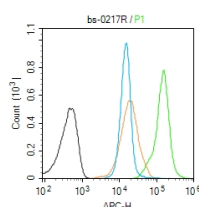
400-901-9800

**— DATASHEET —**

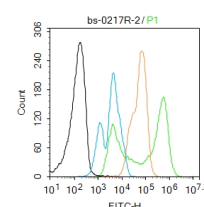
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>Flow-Cyt</b> (1µg/Test)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 2247	<b>SWISS:</b> P09038	<b>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit, Sheep, Cow, Chicken)
<b>Target:</b> FGF2		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human bFGF: 143-250/288.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 18 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Secreted ,Nucleus
<b>Background:</b> 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 /10<sup>6</sup> 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 /10<sup>6</sup> 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.

**— SELECTED CITATIONS —**

- **[IF=7.991]** Xiangfeng Li. et al. Design of macropore structure and micro-nano topography to promote the early

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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  $\beta$  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/ $\beta$ -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