

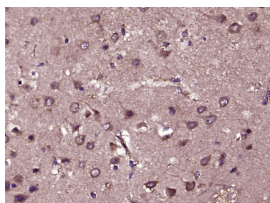
bs-2235R**[Primary Antibody]****FGF2 Rabbit pAb****Bioss**
ANTIBODIES

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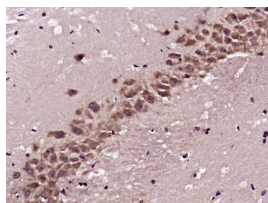
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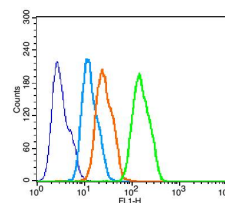
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 2247**SWISS:** P09038**Target:** FGF2**Immunogen:** Full length of human bFGF Recombinded.: 143-288/288.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**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].**Applications:** IHC-P (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat, Dog
(predicted: Rabbit, Sheep, Cow, GuineaPig)**Predicted MW.:** 18/32 kDa**Subcellular Location:** Secreted ,Nucleus**— VALIDATION IMAGES —**

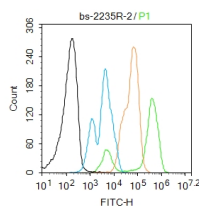
Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (bFGF) Polyclonal Antibody, Unconjugated (bs-2235R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (bFGF) Polyclonal Antibody, Unconjugated (bs-2235R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control(blue): HepG2(fixed with 2% paraformaldehyde for 10 min at 37°C). Primary Antibody:Rabbit Anti-bFGF antibody (bs-2235R,Green); Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.



Blank control:HepG2. Primary Antibody (green line): Rabbit Anti-bFGF antibody (bs-2235R)

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

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.

— SELECTED CITATIONS —

- **[IF=4.9]** Pauline Rehder. et al. Altered Sertoli Cell Function Contributes to Spermatogenic Arrest in Dogs with Chronic Asymptomatic Orchitis. international journal of molecular sciences. 2025 Jan 27;26(3):1108. IHC ;Dog. 39940876
- **[IF=3.375]** Gao R et al. Three-dimensional-printed titanium alloy porous scaffold combined with trans-cinnamaldehyde for repairing osteonecrosis of the femoral head in a dog model. Am J Transl Res . 2020 Mar 15;12(3):1070-1079. IHC ;beagle dogs. 32269735
- **[IF=3.2]** Ning Liu. et al. Healing mechanism of cotton bandage loaded with PNIPAM/GO-Ag hydrogel on the deep second-degree burn wound in rats model. BURNS. 2024 Aug;; IHC ;Rat. 39317533