bs-2235R

[Primary Antibody]

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FGF2 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 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%

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 AUGinitiated 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

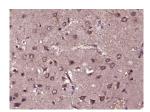
(predicted: Rabbit, Sheep,

Cow, GuineaPig)

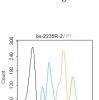
Predicted MW.: 18/32 kDa

Subcellular Secreted, Nucleus

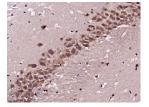
VALIDATION IMAGES



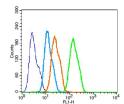
Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (bFGF) Polyclonal 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.



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



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 antirabbit IgG-FITC(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

Dilution: $2\mu g/10^{\circ}6$ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF488 Dilution: $1\mu g/\text{test}$. Protocol The cells were fixed with 4% PFA ($10\min$ 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 transcinnamaldehyde 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