bs-0675R **[Primary Antibody]**

FGFR2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2263 **SWISS:** P21802

Target: FGFR2

Immunogen: KLH conjugated synthetic peptide derived from human FGFR2: 21-120/821. < Extracellular >

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: bs-0675P is one synthetic peptide derived from human FGFR2. Fibroblast growth factors (FGFs) are members of a large family of structurally related polypeptides that are potent physiological regulators of growth and differentiation for a wide variety of cells of mesodermal, ectodermal and endodermal origin. Four genes encoding for high affinity cell surface FGF receptors (FGFRs) have been identified: FGFR1, FGFR2, FGFR3 and FGFR4. FGFRs are members of the tyrosine kinase family of growth factor receptors. FGFR2 is highly expressed in developing human tissues including the brain, choroids plexus, lung etc. Alternative names: Bacteria expressed kinase; BEK; BFR 1; BFR1; CD 332; CD332; CD332 antigen; CEK 3; CEK3; CFD 1; CFD1; Craniofacial dysostosis 1; Crouzon syndrome; ECT 1; ECT1; FGFR 2; Fibroblast growth factor receptor 2; Hydroxyaryl protein kinase; Jackson Weiss syndrome; JWS; K SAM; K sam protein; Keratinocyte growth factor receptor 2; Keratinocyte growth factor receptor; KGFR; KSAM; Pfeiffer syndrome; Protein tyrosine kinase receptor like 14; TK14; TK25; Tyrosylprotein kinase.

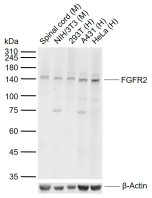
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)
ICC/IF (1:100-500)

Reactivity: Human, Mouse (predicted: Rat)

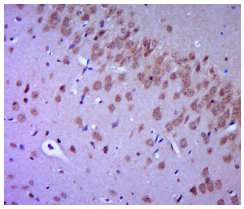
Predicted MW.: 89 kDa

Subcellular Location: Cell membrane

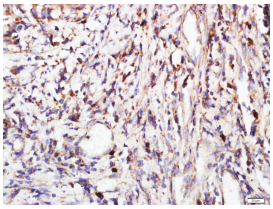
VALIDATION IMAGES



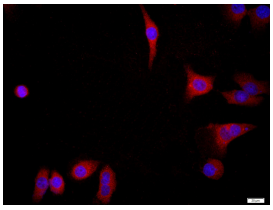
Sample: Lane 1: Mouse Spinal cord tissue lysates Lane 2: Mouse NIH/3T3 cell lysates Lane 3: Human 293T cell lysates Lane 4: Human A431 cell lysates Lane 5: Human HeLa cell lysates Primary: Anti-FGFR2 (bs-0675R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 89 kDa Observed band size: 142 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (FGFR2) Polyclonal Antibody, Unconjugated (bs-0675R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human stomach cancer); 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 (FGFR2) Polyclonal Antibody, Unconjugated (bs-0675R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: MCF7; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (FGFR2) Polyclonal Antibody, Unconjugated (bs-0675R) 1:200, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

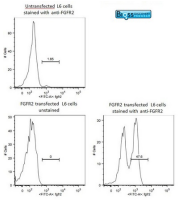


Image was kindly submitted by Dr. Uthaman from Yale University. L6 cells were transfected with FGFR2, and stained with RABBIT ANTI-FGFR2 POLYCLONAL ANTIBODY, conjugated (bs-0675R-FITC) at 1:100 dilution

SELECTED CITATIONS

- **[IF=7.1]** Dong Zhen. et al.Fibroblast Growth Factor 20 Attenuates Colitis by Restoring Impaired Intestinal Epithelial Barrier Integrity and Modulating Macrophage Polarization via S100A9 in an NF-κB Dependent Manner.cellular and molecular gastroenterology and hepatology.2025 Feb 28:101486. Western Blot ;Mouse. 40024533
- **[IF=3.923]** Yang Y et al. Inhibition of microRNA‐129‐5p expression ameliorates ultraviolet ray‐induced corneal epithelial cell injury via upregulation of EGFR. (2018) J Cell Physiol. WB ;Mouse. 30515795
- **[IF=1.817]** Deng Xiaheng. et al. Prediction of lung squamous cell carcinoma immune microenvironment and immunotherapy efficiency with pyroptosis-derived genes. MEDICINE. 2022 Sep;101(37):e30304 IHC ;Human. 36123889