

bs-5326R**[Primary Antibody]**

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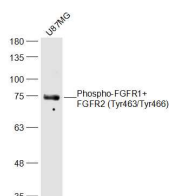
400-901-9800

phospho-FGFR1+FGFR2 (Tyr463/Tyr466) Rabbit pAb

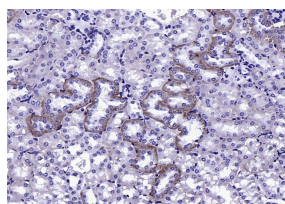
— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 2260 Target: FGFR1+FGFR2 (Tyr463/Tyr466) Immunogen: KLH conjugated Synthesised phosphopeptide derived from human FGFR1 around the phosphorylation site of Tyr463: SE(p-Y)EL. < Cytoplasmic > 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: Fibroblast growth factors (FGFs) produce mitogenic and angiogenic effects in target cells by signaling through the cellular surface tyrosine kinase receptors. There are four members of the FGF receptor family: FGFR-1 (flg), FGFR-2 (bek, KGFR), FGFR-3 and FGFR-4. Each receptor contains an extracellular ligand binding domain, a transmembrane region and a cytoplasmic kinase domain (1). Following ligand binding and dimerization, the receptors are phosphorylated at specific tyrosine residues (2). Seven tyrosine residues in the cytoplasmic tail of FGFR-1 can be phosphorylated: Tyr463, Tyr583, Tyr585, Tyr653, Tyr654, Tyr730 and Tyr766. Tyrosine 653 and 654 are important for catalytic activity of the activated FGFR and are essential for signaling (3). The other phosphorylated tyrosine residues may provide docking sites for downstream signaling components such as Crk and PLCgamma.	Isotype: IgG SWISS: P11362	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Horse) Predicted MW.: 88 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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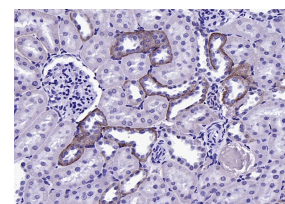
— VALIDATION IMAGES —



Sample: U87MG(Human) Cell Lysate at 30 ug
Primary: Anti-Phospho-FGFR1+FGFR2 (Tyr463/Tyr466) (bs-5326R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 88 kD
Observed band size: 73 kD



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); 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 (Phospho-FGFR1+FGFR2 (Tyr463/Tyr466)) Polyclonal Antibody, Unconjugated (bs-5326R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); 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 (Phospho-FGFR1+FGFR2 (Tyr463/Tyr466)) Polyclonal Antibody, Unconjugated (bs-5326R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=2.886]** Yang Q et al. Anlotinib Suppresses Colorectal Cancer Proliferation and Angiogenesis via Inhibition of

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AKT/ERK Signaling Cascade. Cancer Manag Res . 2020 Jun 24;12:4937-4948. WB ;Mouse. 32606981

- **[IF=3.221]** Zuyao Chen. et al. Intracellular FGF1 promotes invasion and migration in thyroid carcinoma via HMGA1 independent of FGF receptors. ENDOCR CONNECT. 2023 Mar;-1(aop): WB ;Human. 36952626
- **[IF=1.837]** Yang Zhang. et al. Plumbagin Inhibits Proliferation, Migration, and Invasion of Retinal Pigment Epithelial Cells Induced by FGF-2. Tissue Cell. 2021 Oct;72:101547 WB ;Human. 33964605