
phospho-IGF1R (Tyr1165 + Tyr1166) Rabbit pAb

Catalog Number: bs-5449R

Target Protein: phospho-IGF1R (Tyr1165 + Tyr1166)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: Flow-Cyt (1µg/Test)

Reactivity: Mouse, Rat (predicted:Human, Pig, Cow, Chicken, Dog)

Predicted MW: 150 kDa

Entrez Gene: 3480

Swiss Prot: P08069

Source: KLH conjugated Synthesised phosphopeptide derived from human IGF1R around the phosphorylation site of Tyr1165+Tyr1166: TD(p-Y)(p-Y)RK.

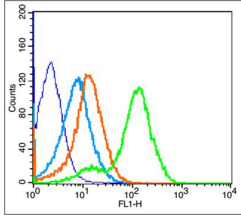
Purification: affinity purified by Protein A

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: This receptor binds insulin-like growth factor 1 (IGF1) with a high affinity and IGF2 with a lower affinity. It has a tyrosine-protein kinase activity, which is necessary for the activation of the IGF1-stimulated downstream signaling cascade. When present in a hybrid receptor with INSR, binds IGF1. PubMed:12138094 shows that hybrid receptors composed of IGF1R and INSR isoform Long are activated with a high affinity by IGF1, with low affinity by IGF2 and not significantly activated by insulin, and that hybrid receptors composed of IGF1R and INSR isoform Short are activated by IGF1, IGF2 and insulin. In contrast, PubMed:16831875 shows that hybrid receptors composed of IGF1R and INSR isoform Long and hybrid receptors composed of IGF1R and INSR isoform Short have similar binding characteristics, both bind IGF1 and have a low affinity for insulin.

VALIDATION IMAGES



Blank control: Mouse Kidney (blue). Primary Antibody: Rabbit Anti-phospho-IGF1R (Tyr1165 + Tyr1166) antibody (bs-5449R, Green); Dilution: $1\mu\text{g}$ in $100\mu\text{L}$ 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. Protocol The cells were fixed with 2% paraformaldehyde for 10 min at 37°C . Primary antibody (bs-5449R, $1\mu\text{g}$ / 1×10^6 cells) were incubated for 30 min at room temperature, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/FITC antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 40 min on ice. Acquisition of 20,000 events was performed.