bs-18066R **[Primary Antibody]**

phospho-TGF beta Receptor II (Tyr259) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7048 **SWISS:** P37173

Target: phospho-TGF beta Receptor II (Tyr259)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human TGF beta Receptor II around the phosphorylation site of Tyr259: EV(p-Y)KA.

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: This gene encodes a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. Mutations in this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized.

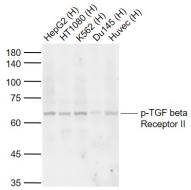
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse (predicted: Rat)

Predicted MW.: 62 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Human HepG2 cell lysates Lane 2: Human HT1080 cell lysates Lane 3: Human K562 cell lysates Lane 4: Human Du145 cell lysates Lane 5: Human Huvec cell lysates
Primary: Anti-phospho-TGF beta Receptor II (Tyr259) (bs-18066R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62 kD
Observed band size: 64 kD

SELECTED CITATIONS

- **[IF=3.349]** Lou LL et al. (+)-Isobicyclogermacrenal and spathulenol from Aristolochia yunnanensis alleviate cardiac fibrosis by inhibiting transforming growth factor β/small mother against decapentaplegic signaling pathway. (2018) Phytother Res. Oct 29. WB ;Rat. 30375049