bs-18066R

## [ Primary Antibody ]

## phospho-TGF beta Receptor II (Tyr259) Rabbit

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(predicted: Rat)

Applications: WB (1:500-2000)

Reactivity: Human, Mouse

62 kDa

Subcellular Cell membrane

**Predicted** 

MW.:

DATASHEET -

pAb

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID:** 7048 **SWISS:** P37173

Target: 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

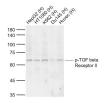
freeze/thaw cycles.

**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.

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