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## phospho-TGF beta Receptor II (Ser225) Rabbit pAb

Catalog Number: bs-20300R

Target Protein: phospho-TGF beta Receptor II (Ser225)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human, Mouse (predicted:Rat, Rabbit, Pig, Sheep, Dog)

Predicted MW: 62 kDa

Subcellular: Cell membrane

Locations:

Entrez Gene: 7048

Swiss Prot: P37173

Source: KLH conjugated synthesised phosphopeptide derived from human TGF beta Receptor II around the phosphorylation site of Ser225: DR(p-S)DI.

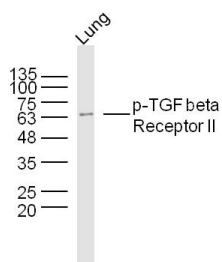
Purification: affinity purified by Protein A

Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

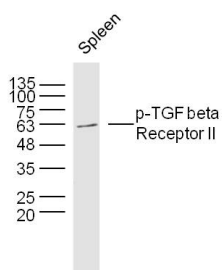
Background: This gene encodes a member of the Ser/Thr protein kinase family and the TGFβ receptor subfamily. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-β. This receptor/ligand complex phosphorylates 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

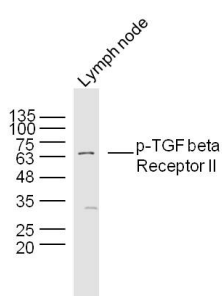
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Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti- p-TGF beta Receptor II(Ser225) (bs-20300R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62 kD  
Observed band size: 64 kD



Sample: Spleen (Mouse) Lysate at 40 ug Primary: Anti- p-TGF beta Receptor II(Ser225) (bs-20300R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62 kD  
Observed band size: 64 kD



Sample: Lymph node (Mouse) Lysate at 40 ug Primary: Anti- p-TGF beta Receptor II(Ser225) (bs-20300R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62 kD  
Observed band size: 64 kD

## PRODUCT SPECIFIC PUBLICATIONS

[IF=8.4] Liao Zhaohong. et al. Myofiber directs macrophages IL-10-Vav1-Rac1 efferocytosis pathway in inflamed muscle following CTX myoinjury by activating the intrinsic TGF- $\beta$  signaling. CELL COMMUN SIGNAL. 2023 Dec;21(1):1-18 ICC, WB ; MOUSE . 37403092