

**bs-0638R****[ Primary Antibody ]****BioSS**  
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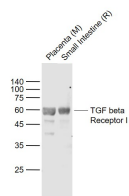
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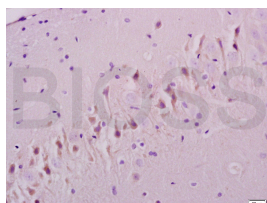
400-901-9800

**TGF beta Receptor I Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 7046	<b>SWISS:</b> P36897	<b>IHC-F</b> (1:100-500)
<b>Target:</b> TGF beta Receptor I		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human TGF beta Receptor I: 301-400/501. < Cytoplasmic >		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Cow)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 55 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cell membrane
<b>Background:</b> The protein encoded by this gene forms a heteromeric complex with type II TGF-beta receptors when bound to TGF-beta, transducing the TGF-beta signal from the cell surface to the cytoplasm. The encoded protein is a serine/threonine protein kinase. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]		

**— VALIDATION IMAGES —**

Sample: Lane 1: Placenta (Mouse) Lysate at 40 ug  
Lane 2: Small Intestine (Rat) Lysate at 40 ug  
Primary: Anti- TGF beta Receptor I (bs-0638R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 56 kD  
Observed band size: 58 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-TGF Beta R1/TGFBRI Polyclonal Antibody, Unconjugated(bs-0638R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=12.4]** Wenjuan Jiang. et al. Keratinocyte-to-macrophage communication exacerbate psoriasiform dermatitis via LRG1-enriched extracellular vesicles. THERANOSTICS. 2024; 14(3): 1049–1064 IF ;Mouse. 38250043
- **[IF=9.7]** Minhui Dong. et al. Hypoxia-induced TREM1 promotes mesenchymal-like states of glioma stem cells via alternatively activating tumor-associated macrophages. CANCER LETT. 2024 Mar;;216801 WB ;Human. 38479552
- **[IF=8.2]** Guokun Zhang. et al. Antler thymosin  $\beta$ 10 reduces liver fibrosis via inhibiting TGF- $\beta$ 1/SMAD pathway. INT J BIOL MACROMOL. 2024 Apr;264:130502 WB ;Rat. 38428779
- **[IF=5.008]** Cashman et al. SENP5 mediates breast cancer invasion via a TGF $\beta$ RI SUMOylation cascade. (2014)

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Oncotarge. 5:1071-82 WB,ICC ;Human. 24658161

- **[IF=5.223]** Hee Ho Song. et al. Effects of fish collagen on hairless mice skin photoaging induced by ultraviolet irradiation via regulation of the TGF-  $\beta$  signaling pathway: Anti-photoaging effect of fish collagen in UVB-induced hairless mice. J FUNCT FOODS. 2023 Jun;105:105554 WB ;Mouse. 10.1016/j.jff.2023.105554