bs-0638R

[Primary Antibody]

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TGF beta Receptor I Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 7046 SWISS: P36897

Target: TGF beta Receptor I

Immunogen: KLH conjugated synthetic peptide derived from human TGF beta

Receptor I: 301-400/501. < Cytoplasmic >

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: 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]

Applications: WB (1:500-2000)

IHC-P (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Mouse, Rat

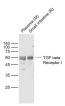
(predicted: Human, Cow)

Predicted 55 kDa

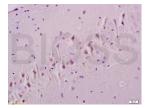
MW.:

Subcellular Location: Cell membrane

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 paraffinembedded; 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/TGFBR1 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] Minhai 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 β10 reduces liver fibrosis via inhibiting TGF-β1/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 TGFβRI SUMOylation cascade. (2014)

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- β 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