bs-23446R **[Primary Antibody]**

TGF beta Receptor I Rabbit pAb

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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: 21-120/503. < Extracellular >

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]

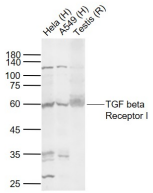
Applications: **WB** (1:500-2000)

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

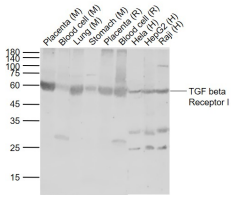
Predicted MW.: 55 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Hela (Human) Cell Lysate at 30 ug Lane 2: A549 (Human) Cell Lysate at 30 ug Lane 3: Testis (Rat) Lysate at 40 ug Primary: Anti-TGF beta Receptor I (bs-23446R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 58 kD



Sample: Lane 1: Mouse Placenta tissue lysates Lane 2: Mouse Blood cell lysates Lane 3: Mouse Lung tissue lysates Lane 4: Mouse Stomach tissue lysates Lane 5: Rat Placenta tissue lysates Lane 6: Rat Blood cell lysates Lane 7: Human Hela cell lysates Lane 8: Human HepG2 cell lysates Lane 9: Human Raji cell lysates Primary: Anti-TGF beta Receptor I (bs-23446R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 58 kD

SELECTED CITATIONS

- **[IF=4.292]** Longfei Xiao. et al. Dihydrotestosterone through blockade of TGF-β/Smad signaling mediates the anti-fibrosis effect under hypoxia in canine Sertoli cells. J Steroid Biochem. 2022 Feb;216:106041 WB ;Dog. 34864206
- **[IF=1.858]** Zihui Wang. et al. Heat stress and hypoxia inhibit the secretion of androgens and induce epithelial-to-mesenchymal transition associated with activated TGF-β/Smad signaling in canine cryptorchidism. REPROD DOMEST ANIM. 2022 Jun 09 WB ;Dog. 35678492

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