

Activin Receptor Type IIB Rabbit pAb

Catalog Number: bs-12417R

Target Protein: Activin Receptor Type IIB

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

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

Predicted MW: 56 kDa

Entrez Gene: 93

Swiss Prot: Q13705

Source: KLH conjugated synthetic peptide derived from human ACVR2B/ACTR-IIB: 45-150/512.

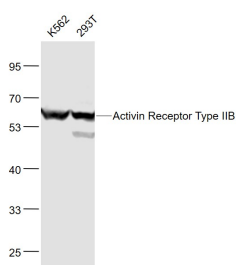
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

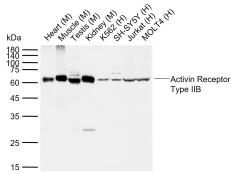
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Activin receptor type-2B(Activin receptor type IIB; ACTR-IIB) On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for activin A, activin B and inhibin A. [Subcellular Location] Membrane; Single-pass type I membrane protein. Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGF β receptor subfamily.

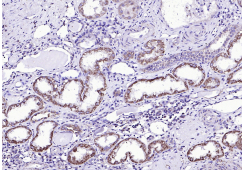
VALIDATION IMAGES



Sample: K562(Human) Cell Lysate at 30 ug 293T(Human) Cell Lysate at 30 ug Primary: Anti- Activin Receptor Type IIB (bs-12417R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 56 kD Observed band size: 56 kD



Sample: Lane 1: Mouse Heart tissue lysates Lane 2: Mouse Muscle tissue lysates Lane 3: Mouse Testis tissue lysates Lane 4: Mouse Kidney tissue lysates Lane 5: Human K562 cell lysates Lane 6: Human SH-SY5Y cell lysates Lane 7: Human Jurkat cell lysates Lane 8: Human MOLT4 cell lysates Primary: Anti-Activin Receptor Type IIB (bs-12417R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kDa Observed band size: 60 kDa



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Activin Receptor Type IIB) Polyclonal Antibody, Unconjugated (bs-12417R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.