

bs-12417R**[Primary Antibody]****Activin Receptor Type IIB Rabbit pAb**

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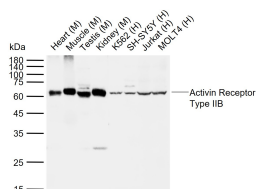
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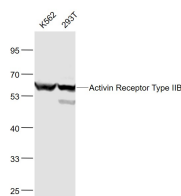
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DATASHEET

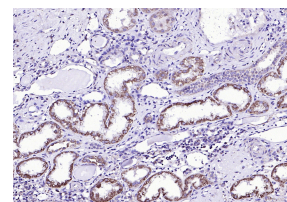
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Dog) Predicted MW.: 56 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 93	SWISS: Q13705	
Target: Activin Receptor Type IIB		
Immunogen: KLH conjugated synthetic peptide derived from human ACVR2B/ACTR-IIB: 45-150/512. < 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: 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. TGFB receptor subfamily.		

VALIDATION IMAGES

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



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



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.

SELECTED CITATIONS

- **[IF=4.9]** Agustina Cano-Martínez. et al. A Combination of Resveratrol and Quercetin Prevents Sarcopenic Obesity: Its Role as a Signaling Inhibitor of Myostatin/ActRIIA and ActRIIB/Smad and as an Enhancer of Insulin Actions. INT J MOL SCI. 2025 Jan;26(10):4952 IF ;Rat. 40430092
- **[IF=3.9]** Weipu Mao. et al.Expression and distribution of activin-follistatin-inhibin axis in the urinary bladder..Frontiers in Molecular Biosciences.2025 Mar 12:12:1519977. Western blot ;Mouse. 40144023