bs-6018R

[Primary Antibody]

ACVR1B Rabbit pAb



www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

– DATASHEET –		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GenelD: 91	SWISS: P36896	IF (1:100-500) ELISA (1:5000-10000)
Target: ACVR1B		
-	nthetic peptide derived from human ACVR1B: cellular >	Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Dog, Horse)
Purification: affinity purified by I	Protein A	
Concentration: 1mg/ml		Predicted MW.: ^{55 kDa}
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.		Subcellular Location: Cell membrane
type-1 receptor form receptor type-2 (AC from the cell surface many physiological differentiation and cycling, FSH produce extracellular matrix carcinogenesis. Act autocrine role in fol receptor complex, f a primary activin re ACVR1B act as dow binds to type-2 rece serine-threonine ki phosphorylates and Once activated, the SMAD proteins SMA terminal tail. Soon and subsequent ph into the cytoplasm SMAD4. This SMAD mediates activin-in recruited to ACVR11 of SMAD2 and SMAI blocking the activir antagonized by the	nembrane serine/threonine kinase activin ming an activin receptor complex with activin VR2A or ACVR2B). Transduces the activin signal e to the cytoplasm and is thus regulating a and pathological processes including neuronal neuronal survival, hair follicle development and ction by the pituitary gland, wound healing, e production, immunosuppression and ivin is also thought to have a paracrine or llicular development in the ovary. Within the cype-2 receptors (ACVR2A and/or ACVR2B) act as ceptors whereas the type-1 receptors like nstream transducers of activin signals. Activin eptor at the plasma membrane and activates its nase. The activated receptor type-2 then d activates the type-1 receptor such as ACVR1B. type-1 receptor binds and phosphorylates the D2 and SMAD3, on serine residues of the C- after their association with the activin receptor osphorylation, SMAD2 and SMAD3 are released where they interact with the common partner complex translocates into the nucleus where it duced transcription. Inhibitory SMAD7, which is 3 through FKBP1A, can prevent the association D3 with the activin signal transduction is also binding to the receptor of inhibin-B via the eptor. ACVR1B also phosphorylates TDP2.	

• [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. IF ;Mouse. 40144023