

bs-13202R**[Primary Antibody]****Bioss**
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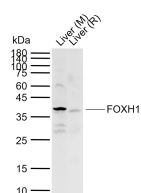
400-901-9800

FOXH1 Rabbit pAb**— DATASHEET —**

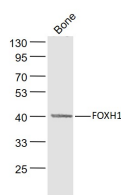
Host: Rabbit
Clonality: Polyclonal
GeneID: 8928
Target: FOXH1
Immunogen: KLH conjugated synthetic peptide derived from human FOXH1: 41-140/365.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Isotype: IgG**SWISS:** O75593**Applications:** WB (1:500-2000)**Reactivity:** Human, Mouse, Rat
(predicted: Pig, Sheep, Cow, Horse)**Predicted MW.:** 39 kDa**Subcellular Location:** Nucleus

Background: Xenopus winged-helix factor, xFAST-1 (forkhead activin signal transducer-1) is a transcription factor that forms a complex with the receptor-regulated Smad protein, Smad2, and directly binds to activin response elements on DNA (1,2). The human homolog FAST-1 and the corresponding mouse homolog, designated FAST-2, share significant sequence homology with xFAST-1, including a conserved N-terminal forkhead domain that consists of 110 amino acid residues and is essential for binding DNA and regulating transcription in embryogenesis, in tumorigenesis and in the maintenance of differentiated cell states (3,4). FAST-1 and FAST-2 also contain a distinct C-terminal Smad interaction domain that is required for the association with various Smad proteins, including Smad2, Smad3 and Smad4 (3,5). Expression of FAST-1 and FAST-2 is predominantly observed during early development, with lower levels detected in adult tissues (6,7). FAST-1 and FAST-2 mediated DNA binding is attenuated by both TGF β and activin, indicating that these FAST proteins mediate TGF β -induced signal transduction (3).

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Rat Liver tissue lysates Primary: Anti-FOXH1 (bs-13202R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kDa Observed band size: 39 kDa



Sample: Bone (Mouse) Lysate at 40 ug Primary: Anti- FOXH1 (bs-13202R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 40 kD