

bs-12418R**[Primary Antibody]****BAMBI Rabbit pAb****Bioss**
ANTIBODIES

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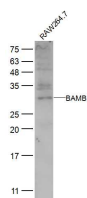
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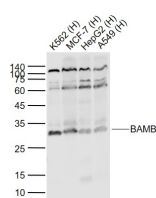
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DATASHEET

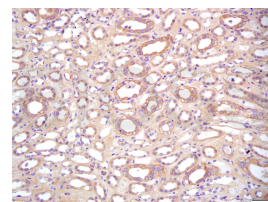
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 25805	SWISS: Q13145	IHC-F (1:100-500)
Target: BAMBI		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human BAMBI: 101-200/260. < Extracellular >		Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig)
Purification: affinity purified by Protein A		Predicted MW.: 27 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane
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: BAMBI is a membrane spanning glycoprotein that acts as a negative regulator of TGF- β signaling during development. The BAMBI family of proteins are related to type I TGF- β receptor family, however, BAMBI is a pseudoreceptor that lacks an intracellular serine/threonine kinase domain. BAMBI transcription regulation is under the influence of β -catenin, BMP, smad3 and smad4. BAMBI expression can increase in colorectal and hepatocellular carcinomas relative to non-cancerous tissues. BAMBI is expressed at high levels during odontogenesis. BAMBI is coexpressed with Bmp-4 during early Xenopus embryogenesis and can be detected in poorly metastatic human melanoma cell lines.		

VALIDATION IMAGES

Sample: RAW264.7 (Mouse) Cell Lysate at 30 ug
Primary: Anti-BAMBI (bs-12418R) at 1/500
dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD Observed band size: 30 kD



Sample: Lane 1: K562 (Human) Cell Lysate at 30 ug
Lane 2: MCF-7 (Human) Cell Lysate at 30 ug
Lane 3: HepG2 (Human) Cell Lysate at 30 ug
Lane 4: A549 (Human) Cell Lysate at 30 ug
Primary: Anti-BAMBI (bs-12418R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kD Observed band size: 30 kD



Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-BAMBI Polyclonal Antibody, Unconjugated(bs-12418R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=17.521]** Hongwei Chen. et al. Dissecting Heterogeneity Reveals a Unique BAMBI^{high}MFGE8^{high} Subpopulation of Human UC-MSCs. Advanced Science. 2022 Nov;;2202510 WB ;Human. 36373720
- **[IF=5.23]** He, Yao, et al. "LPS/TLR4 Signaling Enhances TGF- β Response Through Downregulating BAMBI During Prostatic Hyperplasia." Scientific reports 6 (2016): 27051. IHC,ICC ;="Human". 27243216
- **[IF=2.812]** Yaqi Zhang. et al. Effects of BAMBI on luteinized follicular granulosa cell proliferation and steroid hormone

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

production in sheep. MOL REPROD DEV. 2023 Feb;; IF, WB ; Sheep. 36775976

- **[IF=2.08]** Bai, Long, et al. "Identification and Expression Analyses of BAMBI Mediated by FSH in Swine Luteinizing Granulosa Cells." Theriogenology (2014). Other ;="Pig". 25168722
- **[IF=1.56]** Du, Jinghua, et al. "TLR4-dependent signaling pathway modulation: A novel mechanism by which pioglitazone protects against nutritional fibrotic steatohepatitis in mice." Molecular medicine reports 13.3 (2016): 2159-2166. WB ;="Mouse". 26781175