
BAMBI Rabbit pAb

Catalog Number: bs-12418R

Target Protein: BAMBI

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 (predicted:Rat, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig)

Predicted MW: 27 kDa

Entrez Gene: 25805

Swiss Prot: Q13145

Source: KLH conjugated synthetic peptide derived from human BAMBI: 101-200/260.

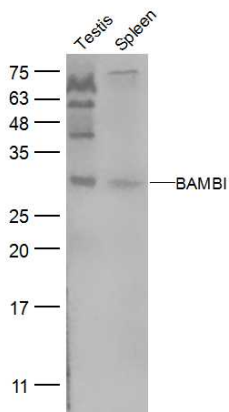
Purification: affinity purified by Protein A

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

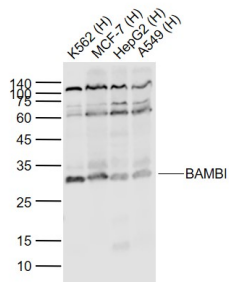
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

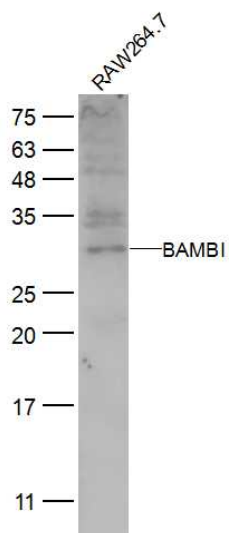
VALIDATION IMAGES



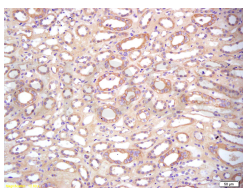
Sample: Testis (Mouse) Lysate at 40 ug Spleen (Mouse) Lysate at 40 ug Primary: Anti-BAMBI (bs-12418R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD Observed band size: 30 kD



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



Sample: RAW264.7 (Mouse) CellLysate 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



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

PRODUCT SPECIFIC PUBLICATIONS

[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 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