

Datasheet for 600-401-Z24**BAMBI Antibody****Overview**

Description:	Anti-BAMBI (RABBIT) Antibody - 600-401-Z24
Item No.:	600-401-Z24
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	BAMBI (BMP and activin membrane-bound inhibitor homolog, NMA) is a membrane spanning glycoprotein that acts as a negative regulator of TGF-beta signaling during development (1). BAMBI transcription regulation is under the influence of beta-catenin, BMP, smad3 and smad4 (2,3). BAMBI expression can increase in colorectal and hepatocellular carcinomas relative to non-cancerous tissues (4). 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 (5).
Synonyms:	BMP and activin membrane-bound inhibitor homolog
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BAMBI
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-BAMBI antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the internal region of human BAMBI.

Purity/Specificity: Anti-BAMBI antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. BAMBI antibody is human, mouse and rat reactive.

Relevant Links:

- [UniProtKB - Q13145](#)
- [GeneID - 25805](#)
- [NCBI - NP_036474](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-BAMBI Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 29 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000-1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 - 2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/ml by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

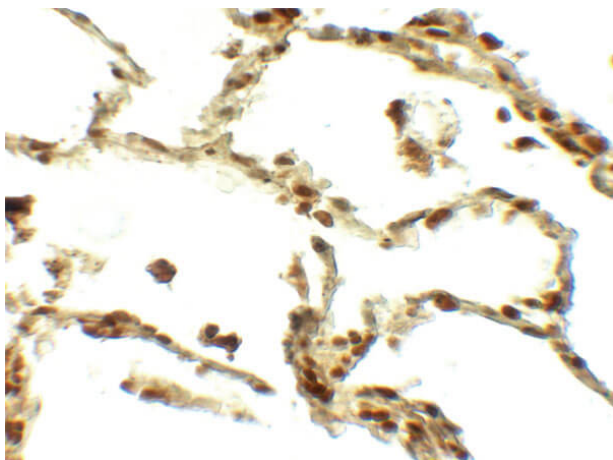
Shipping & Handling

Shipping Condition: Dry Ice

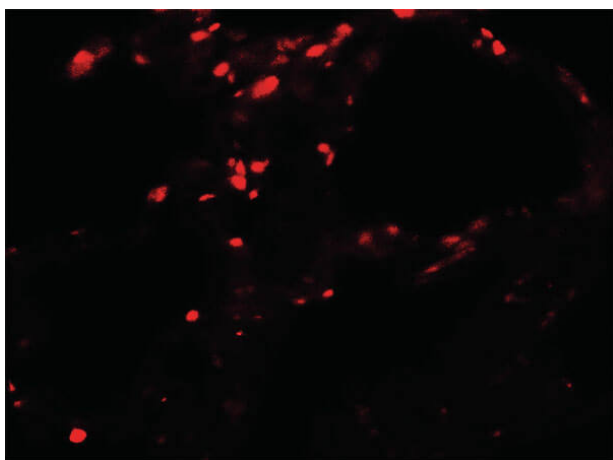
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

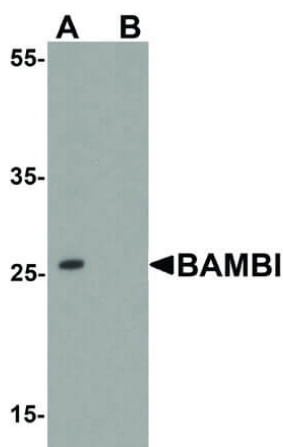
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of Rabbit anti-BAMBI antibody. Tissue: human lung tissue. Primary antibody: BAMBI antibody at 5 μ g/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: BAMBI is located on the membrane. Staining: BAMBI as precipitated brown signal.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of Rabbit anti-BAMBI antibody. Tissue: human lung. Primary antibody: BAMBI antibody at 20 μ g/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: BAMBI is located on the membrane. Staining: BAMBI as red fluorescent signal.

**Western Blot**

Western Blot of Rabbit anti-BAMBI antibody. Lane A: mouse lung tissue lysate in the absence of blocking peptide. Lane B: mouse lung tissue lysate in the presence of blocking peptide. Primary antibody: BAMBI antibody at 1 µg/mL overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 29 kDa, 26 kDa for BAMBI.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.