

BAMBI Antibody
Catalog # ASC11837**Specification**

BAMBI Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	Q13145
Other Accession	NP_036474 , 6912534
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 29 kDa

Application Notes	Observed: 26 kDa KDa BAMBI antibody can be used for detection of BAMBI by Western blot at 1 - 2 µg/ml. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.
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BAMBI Antibody - Additional Information

Gene ID	25805
Target/Specificity	
BAMBI; BAMBI antibody is human, mouse and rat reactive.	

Reconstitution & Storage

BAMBI antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

Precautions

BAMBI Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

BAMBI Antibody - Protein Information

Name BAMBI

Synonyms NMA

Function

Negatively regulates TGF-beta signaling.

Cellular Location

Membrane; Single-pass type I membrane protein

Tissue Location

High expression in kidney medulla, placenta and spleen; low in kidney cortex, liver, prostate and gut. Not expressed in normal skin, expression is high in melanocytes and in 3 out of 11 melanoma

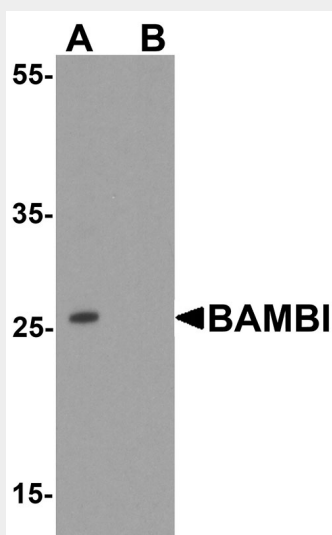
metastases tested

BAMBI Antibody - Protocols

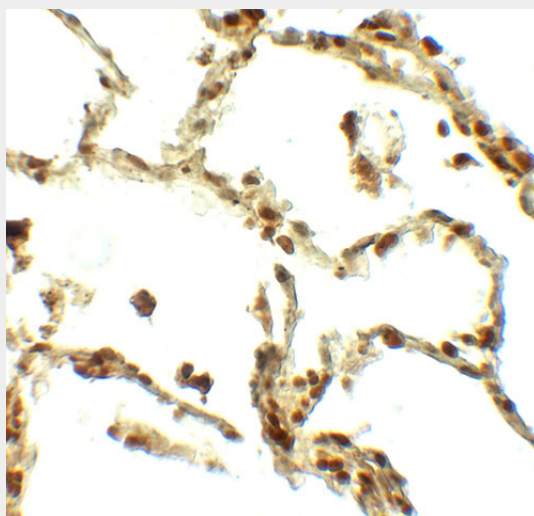
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

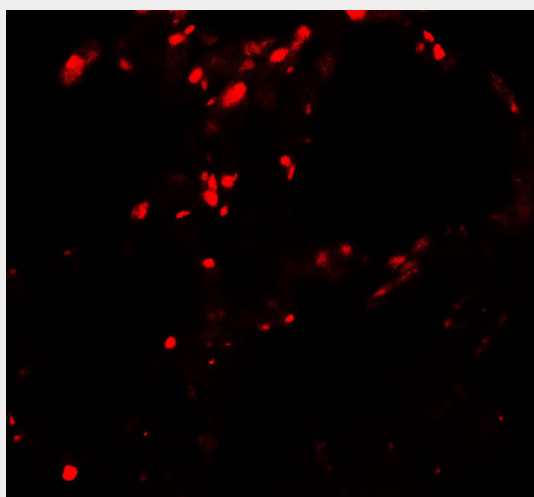
BAMBI Antibody - Images



Western blot analysis of BAMBI in mouse lung tissue lysate with BAMBI antibody at 1 μ g/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of BAMBI in human lung tissue with BAMBI antibody at 5 µg/ml.



Immunofluorescence of BAMBI in human lung tissue with BAMBI antibody at 20 µg/ml.

BAMBI Antibody - 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).

BAMBI Antibody - References

Onichtchouk D, Chen YG, Dosch R, et al. Silencing of TGF-beta signalling by the pseudoreceptor BAMBI. *Nature* 1999; 401:480-5.
Yan X, Lin Z, Chen F, et al. Human BAMBI cooperates with Smad7 to inhibit transforming growth factor-beta signaling. *J Biol. Chem.* 2009; 284:30097-104.
Grotewold L, Plum M, Dildrop R, et al. Bambi is coexpressed with Bmp-4 during mouse embryogenesis. *Mech. Dev.* 2001; 100:327-30.
Fritzmman J, Morkel M, Besser D, et al. A colorectal cancer expression profile that includes transforming growth factor beta inhibitor BAMBI predicts metastatic potential. *Gastroenterology* 2009; 137:165-75.