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BAMBI Rabbit pAb

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Catalog # AP52256

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q13145
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29108
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BAMBI
Epitope Specificity	101-200/260
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	25805
Other Names	BMP and activin membrane-bound inhibitor homolog, Non-metastatic gene A protein, Putative transmembrane protein NMA, BAMBI, NMA
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

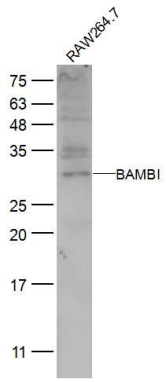
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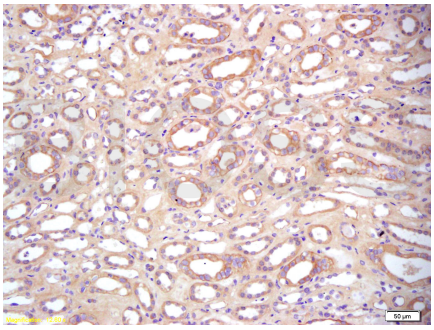
References

Degen W.G.J.,et al.Int. J. Cancer 65:460-465(1996).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Deloukas P.,et al.Nature 429:375-381(2004).
Zhang Z.,et al.Protein Sci. 13:2819-2824(2004).

Images



Sample:
RAW264.7 (Mouse) CellLysate at 30 ug
Primary: Anti-BAMBI (AP52256) 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℃ for 20 min;
Incubation: Anti-BAMBI Polyclonal Antibody, Unconjugated(AP52256) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.