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BAMBI Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant BAMBI.
Catalog # AT1265a

Specification

BAMBI Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q13145
Other Accession	BC019252
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**29108**

BAMBI Antibody (monoclonal) (M01) - 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

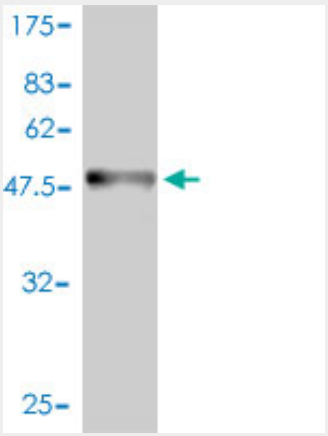
Target/Specificity
BAMBI (AAH19252, 1 a.a. ~ 260 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

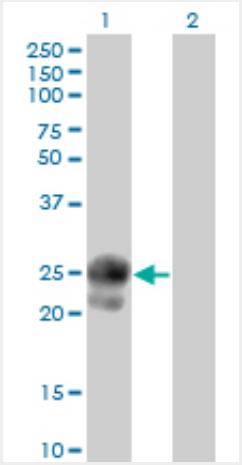
Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
BAMBI Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (54.34 KDa) .



Western Blot analysis of BAMBI expression in transfected 293T cell line by BAMBI monoclonal antibody (M01), clone 3C1-1D1.

Lane 1: BAMBI transfected lysate(29.1 KDa).
Lane 2: Non-transfected lysate.

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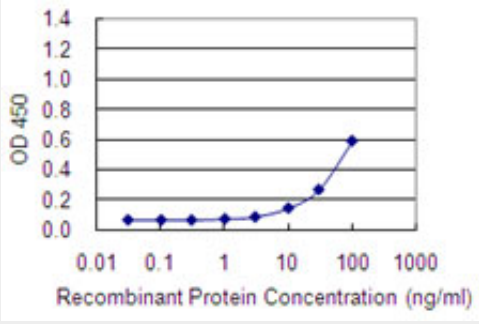
Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



Detection limit for recombinant GST tagged BAMBI is 3 ng/ml as a capture antibody.

BAMBI Antibody (monoclonal) (M01) - Background

This gene encodes a transmembrane glycoprotein related to the type I receptors of the transforming growth factor-beta (TGF-beta) family, whose members play important roles in signal transduction in many developmental and pathological processes. The encoded protein however is a pseudoreceptor, lacking an intracellular serine/threonine kinase domain required for signaling. Similar proteins in frog, mouse and zebrafish function as negative regulators of TGF-beta, which has led to the suggestion that the encoded protein may function to limit the signaling range of the TGF-beta family during early embryogenesis.

BAMBI Antibody (monoclonal) (M01) - References

1.Adiponectin induces the transforming growth factor decoy receptor BAMBI in human hepatocytes.Wanninger J, Neumeier M, Bauer S, Weiss TS, Eisinger K, Walter R, Dorn C, Hellerbrand C, Schaffler A, Buechler C.FEBS Lett. 2011 Apr 7. [Epub ahead of print]2.BAMBI Is Expressed in Endothelial Cells and Is Regulated by Lysosomal/Autolysosomal Degradation.Xavier S, Gilbert V, Rastaldi MP, Krick S, Kollins D, Reddy A, Bottinger E, Cohen CD, Schlondorff D.PLoS One. 2010 Sep 24;5(9):e12995.3.BAMBI is overexpressed in ovarian cancer and co-translocates with Smads into the nucleus upon TGF-ss treatment.Pils D, Wittinger M, Petz M, Gugerell A, Gregor W, Alfanz A, Horvat R, Braicu EI, Sehouli J, Zeillinger R, Mikulits W, Krainer M.Gynecol Oncol. 2010 Feb 25. [Epub ahead of print]4.BAMBI (bone morphogenetic protein and activin membrane-bound inhibitor) reveals

the involvement of the transforming growth factor-beta family in pain modulation.Tramullas M, Lantero A, Diaz A, Morchon N, Merino D, Villar A, Buscher D, Merino R, Hurle JM, Izpisua-Belmonte JC, Hurle MA.J Neurosci. 2010 Jan 27;30(4):1502-11.