BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Type-1 angiotensin II receptor AGTR1 Antibody

Catalog Number: A01213

About AGTR1

Angiotensin II is a potent vasopressor hormone and a primary regulator of aldosterone secretion that acts through at least two types of receptors, AGTR1 and AGTR2. It is an important effector controlling blood pressure and volume in the cardiovascular system and plays a major role in the development of the mammalian kidney and urinary tract. AGTR1, the type 1 receptor, is thought to mediate the major cardiovascular effects of angiotensin II and may play a role in the generation of reperfusion arrhythmias following restoration of blood flow to ischemic or infarcted myocardium. AGTR1 has recently been found to regulate the differentiation of bone marrow-derived monocyte lineage progenitors from hematopoietic stem cells, indicating the diversity of the roles of AGTR1.

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Overview

Product Name	Anti-Type-1 angiotensin II receptor AGTR1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Type-1 angiotensin II receptor AGTR1 Antibody (Catalog # A01213). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	AGTR1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	AGTR1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P30556

Technical Details

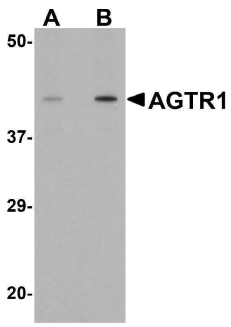
Immunogen	AGTR1 antibody was raised against a 16 amino acid synthetic peptide from near the center of human AGTR1. The immunogen is located within amino acids 210 - 260 of AGTR1.
Predicted Reactive Species	Bovine, Chicken, Guinea Pig, Pig, Rabbit, Sheep

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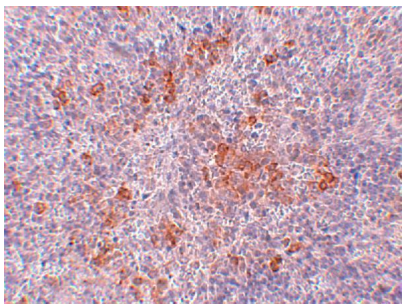
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	AGTR1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	AGTR1 antibody can be used for detection of AGTR1 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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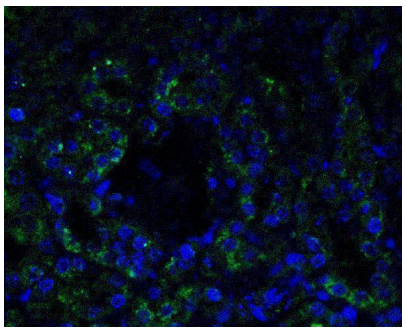
Anti-Type-1 angiotensin II receptor AGTR1 Antibody (A01213) Images



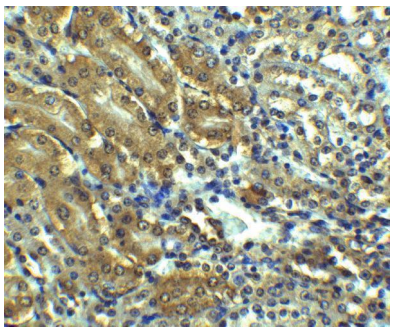
Western blot analysis of AGTR1 in mouse kidney tissue lysate with AGTR1 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of AGTR1 in mouse kidney tissue with AGTR1 antibody at 2.5 ug/mL.



Immunofluorescence of AGTR1 in Mouse Kidney cells with AGTR1 antibody at 5 ug/mL.



Immunohistochemistry of AGTR1 in mouse kidney tissue with AGTR1 antibody at 2.5 ug/ml.

For Research Use Only. Not for use in diagnostic procedures.