

Anti-Type-2 angiotensin II receptor AGTR2 Antibody

Catalog Number: A00432-1

About AGTR2

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. Like AGTR1, AGTR2 is a seven transmembrane G protein-coupled receptor (GPCR), but AGTR2 does not demonstrate most of the classic features of GPCR signaling. AGTR2 is involved in a wide range of activities, including the induction of neurite outgrowth and the inhibition of cellular proliferation, in addition to the known function of mediation of vasoconstriction.

Overview

Product Name	Anti-Type-2 angiotensin II receptor AGTR2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Type-2 angiotensin II receptor AGTR2 Antibody (Catalog # A00432-1). Tested in ELISA, WB, IHC-P, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, ICC, WB
Clonality	Polyclonal Clone: SK7
Formulation	AGTR2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	AGTR2 antibody can be stored at 4°C for three months and -20°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	P50052

Technical Details

Immunogen	AGTR2 antibody was raised against a 16 amino acid synthetic peptide from near the center of human AGTR2. The immunogen is located within amino acids 220 - 270 of AGTR2.
Predicted Reactive Species	Sheep
Cross Reactivity	ALSFTD antibody is human, mouse and rat reactive. At least two isoforms are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	AGTR2 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

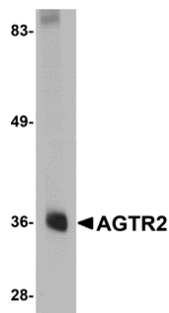
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

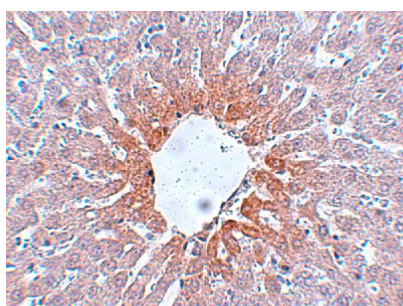
AGTR2 antibody can be used for detection of AGTR2 by Western blot at 0.5 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunocytochemistry start at 5 ug/mL. For immunofluorescence start at 1 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in rat samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

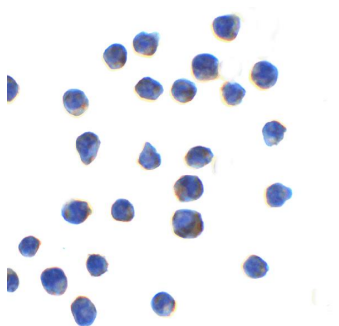
Anti-Type-2 angiotensin II receptor AGTR2 Antibody (A00432-1) Images



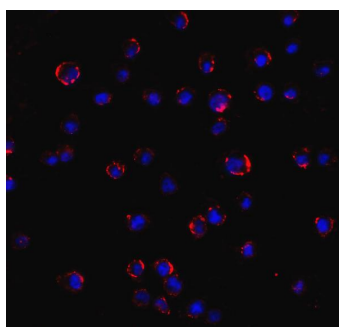
Western blot analysis of AGTR2 in mouse liver tissue lysate with AGTR2 antibody at 0.5 ug/mL.



Immunohistochemistry of AGTR2 in rat liver tissue with AGTR2 antibody at 5 ug/mL.



Immunocytochemistry of AGTR2 in Jurkat cell with AGTR2 Antibody at 1 ug/ml.



Immunofluorescence of AGTR2 in Jurkat cell with AGTR2 Antibody at 5 ug/ml.

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