

AGTR2 Antibody

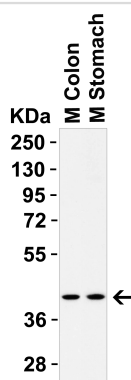
Catalog No: #24967

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

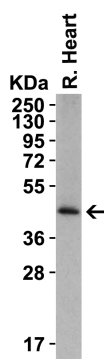
Description

Product Name	AGTR2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA;IHC-P;WB;ICC/IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the center of human AGTR2.
Target Name	AGTR2
Other Names	Angiotensin II receptor type 2, AT2, AT2R, MRX88
Accession No.	Swiss-Prot:P50052Gene ID:186
Uniprot	P50052
GeneID	186;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

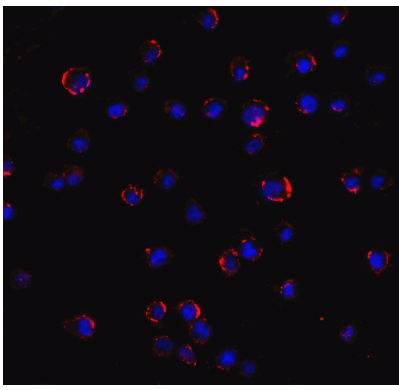
Images



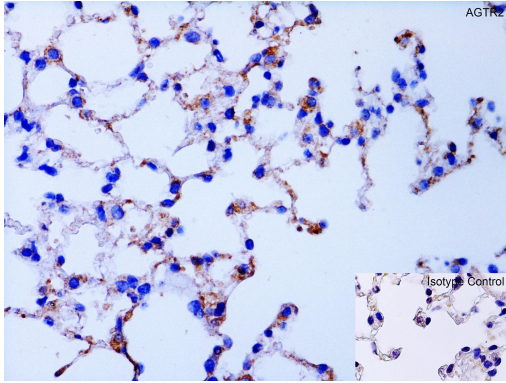
WB Validation in Mouse Tissues
 Loading: 10 ug of lysate
 Antibodies: AGTR2, 2 ug/mL , 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



WB Validation in Rat Heart
 Loading: 15 ug of lysate
 Antibodies: AGTR2, 2 ug/mL , 1 h incubation at RT in 5% NFDN/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Immunofluorescence Validation of AGTR2 in Jurkat Cells/strong>Immunofluorescent analysis of 4% paraformaldehyde-fixed Jurkat Cells labeling AGTR2 at 5 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).



Immunohistochemistry Validation of AGTR2 in Human Lung Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-AGTR2 antibody at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

Background

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.

Note: This product is for in vitro research use only