

AGTR2 Antibody

Catalog # ASC10978

Specification

AGTR2 Antibody - Product Information

Application **WB, IHC**
Primary Accession [P50052](#)
Other Accession [AAS45437](#),
[42766665](#)
Reactivity **Human, Mouse, Rat**
Host **Rabbit**
Clonality **Polyclonal**
Isotype **IgG**
Calculated MW **Predicted: 40 kDa**

Application Notes

Observed: 36 kDa
KDa
AGTR2 antibody can be used for detection of AGTR2 by Western blot at 0.5 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

AGTR2 Antibody - Additional Information

Gene ID **186**
Target/Specificity
AGTR2;

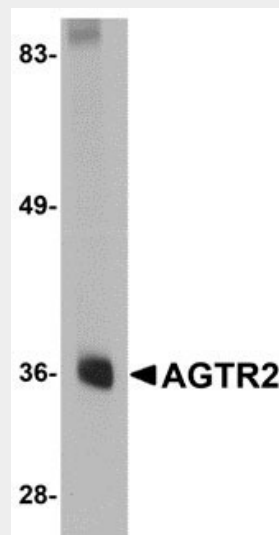
Reconstitution & Storage

AGTR2 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.

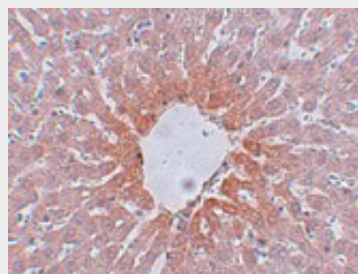
Precautions

AGTR2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

AGTR2 Antibody - Protein Information



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



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

AGTR2 Antibody - Background

AGTR2 Antibody: 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

Name AGTR2**Function**

Receptor for angiotensin II. Cooperates with MTUS1 to inhibit ERK2 activation and cell proliferation.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

In adult, highly expressed in myometrium with lower levels in adrenal gland and fallopian tube. Expressed in the cerebellum. Very highly expressed in fetal kidney and intestine

AGTR2 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.

AGTR2 Antibody - References

Mottl AK, Shoham DA, and North KE. Angiotensin II type 1 receptor polymorphisms and susceptibility to hypertension: A HuGE review. *Gen. in Med.* 2008; 10:560-574.
Miyazaki Y and Ichikawa I. Role of the angiotensin receptor in the development of the mammalian kidney and urinary tract. *Comp. Biochem. Physiol. A Mol. Integr. Physiol.* 2001; 128:89-97.
Laflamme L, Gasparo M, Gallo JM, et al. Angiotensin II induction of neurite outgrowth by AT2 receptors in NG108-15 cells. Effect counteracted by the AT1 receptors. *J. Biol. Chem.* 1996; 271:22729-35.
Stoll M, Steckelings UM, Paul M, et al. The angiotensin AT2-receptor mediates inhibition of cell proliferation in coronary endothelial cells. *J. Clin. Invest.* 1995; 95:651-7.