

**AGTR1 / AT1 Receptor Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13536****Specification**

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**AGTR1 / AT1 Receptor Antibody (Internal) - Product Information**

Application	IF
Primary Accession	<a href="#">P30556</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa KDa

**AGTR1 / AT1 Receptor Antibody (Internal) - Additional Information****Gene ID** 185**Other Names**

Type-1 angiotensin II receptor, AT1AR, AT1BR, Angiotensin II type-1 receptor, AT1, AGTR1, AGTR1A, AGTR1B, AT2R1, AT2R1B

**Target/Specificity**

Human AGTR1

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

AGTR1 / AT1 Receptor Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**AGTR1 / AT1 Receptor Antibody (Internal) - Protein Information****Name** AGTR1 ([HGNC:336](#))**Function**

Receptor for angiotensin II, a vasoconstricting peptide, which acts as a key regulator of blood pressure and sodium retention by the kidney (PubMed:[15611106](http://www.uniprot.org/citations/15611106)), PubMed:[1567413](http://www.uniprot.org/citations/1567413)), PubMed:[25913193](http://www.uniprot.org/citations/25913193)), PubMed:[26420482](http://www.uniprot.org/citations/26420482)), PubMed:[30639100](http://www.uniprot.org/citations/30639100)), PubMed:[32079768](http://www.uniprot.org/citations/32079768)), PubMed:[8987975](http://www.uniprot.org/citations/8987975)). The activated receptor in turn couples to G-alpha proteins G(q) (GNAQ, GNA11, GNA14 or GNA15) and thus activates phospholipase C and increases the cytosolic Ca(2+) concentrations, which in turn triggers cellular responses such as stimulation of protein kinase C (PubMed:[15611106](http://www.uniprot.org/citations/15611106)).

href="http://www.uniprot.org/citations/15611106" target="\_blank">15611106</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

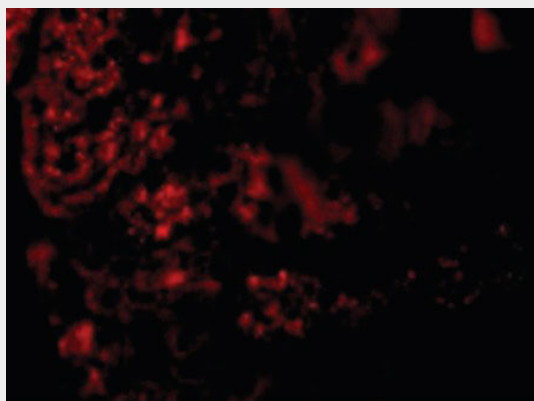
**Tissue Location**

Liver, lung, adrenal and adrenocortical adenomas.

**AGTR1 / AT1 Receptor Antibody (Internal) - 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](#)

**AGTR1 / AT1 Receptor Antibody (Internal) - Images**

Immunofluorescence of AGTR1 in Mouse Kidney cells with AGTR1 antibody at 20 ug/ml.

**AGTR1 / AT1 Receptor Antibody (Internal) - Background**

Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol- calcium second messenger system.

**AGTR1 / AT1 Receptor Antibody (Internal) - References**

Mauzy C.A., et al. *Biochem. Biophys. Res. Commun.* 186:277-284(1992).  
Furuta H., et al. *Biochem. Biophys. Res. Commun.* 183:8-13(1992).  
Bergsma D.J., et al. *Biochem. Biophys. Res. Commun.* 183:989-995(1992).  
Takayanagi R., et al. *Biochem. Biophys. Res. Commun.* 183:910-916(1992).  
Curnow K.M., et al. *Mol. Endocrinol.* 6:1113-1118(1992).