

**AGTR1 Antibody**  
Rabbit mAb  
Catalog # AP91112

## Specification

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### AGTR1 Antibody - Product Information

Application	<b>WB</b>
Primary Accession	<a href="#">P30556</a>
Reactivity	<b>Rat</b>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
AGTR1; AG2S; AGTR1A; AGTR1B; AT1; AT1AR; AT1B; AT1BR; AT2R1; AT2R1A; AT2R1B; HAT1R;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>41061 Da</b>

### AGTR1 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human AGTR1</b>
Description	<b>Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### AGTR1 Antibody - 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:

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

#### Cellular Location

Cell membrane; Multi-pass membrane protein

#### Tissue Location

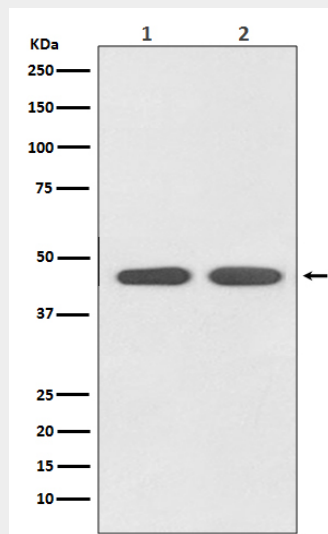
Liver, lung, adrenal and adrenocortical adenomas.

### AGTR1 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](#)

### AGTR1 Antibody - Images



Western blot analysis of AGTR1 expression in (1) HeLa cell lysate; (2) PC-12 cell lysate.