

# **AGTR1 Antibody**

Rabbit mAb Catalog # AP91112

## **Product Information**

Application WB Primary Accession P30556

**Reactivity** Rat, Human, Mouse

**Clonality** Monoclonal

Other Names AGTR1; AG2S; AGTR1A; AGTR1B; AT1; AT1AR; AT1B; AT1BR; AT2R1A;

AT2R1B; HAT1R;

IsotypeRabbit IgGHostRabbitCalculated MW41061

#### **Additional Information**

**Dilution** WB 1:500~1:2000 **Purification** Affinity-chromatography

**Immunogen** A synthesized peptide derived from human AGTR1

**Description** Receptor for angiotensin II. Mediates its action by association with G proteins

that activate a phosphatidylinositol-calcium second messenger system.

Storage Condition and Buffer 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.

### **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, PubMed: 1567413, PubMed: 25913193, PubMed: 26420482, PubMed: 20639100, PubMed: 32079768

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PubMed: 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

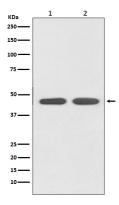
cellular responses such as stimulation of protein kinase C

(PubMed:<u>15611106</u>).

**Cellular Location** Cell membrane; Multi-pass membrane protein

**Tissue Location** Liver, lung, adrenal and adrenocortical adenomas.

# **Images**



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.