

# AGTR1 Antibody

Rabbit Polyclonal Antibody

Catalog # ABV11843

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC       |
| <b>Primary Accession</b> | <a href="#">P30556</a> |
| <b>Reactivity</b>        | Human, Mouse, Rat      |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Polyclonal             |
| <b>Isotype</b>           | Rabbit IgG             |
| <b>Calculated MW</b>     | 41061                  |

## Additional Information

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|-------------------------------------|--|
| <b>Gene ID</b>                      | 185  |
| <b>Positive Control</b>             | WB: HepG2, K562, RAW264.7 cell lysate; IHC: human breast cancer tissue; IFC: K562 cells                          |
| <b>Application &amp; Usage</b>      | WB; 1:500 – 1:2000, IH; 1:50 – 1:200, IF/IC; 1:50 – 1:100  |
| <b>Alias Symbol</b>                 | AGTR1  |
| <b>Other Names</b>                  | AGTR1A; AGTR1B; AT2R1; AT2R1B; Type-1 angiotensin II receptor; AT1AR; AT1BR; Angiotensin II type-1 receptor; AT1 |
| <b>Appearance</b>                   | Colorless liquid   |
| <b>Formulation</b>                  | In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide                 |
| <b>Reconstitution &amp; Storage</b> | -20 °C   |
| <b>Background Descriptions</b>      |  |
| <b>Precautions</b>                  | AGTR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.                 |

## Protein Information

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|-----------------|---|
| <b>Name</b>     | AGTR1 ( <a href="#">HGNC:336</a> )  |
| <b>Function</b> | Receptor for angiotensin II, a vasoconstricting peptide, which acts as a key regulator of blood pressure and sodium retention by the kidney (PubMed: <a href="#">15611106</a> , PubMed: <a href="#">1567413</a> , PubMed: <a href="#">25913193</a> , PubMed: <a href="#">26420482</a> , PubMed: <a href="#">30639100</a> , PubMed: <a href="#">32079768</a> , PubMed: <a href="#">8987975</a> ). 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](#)).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Liver, lung, adrenal and adrenocortical adenomas.

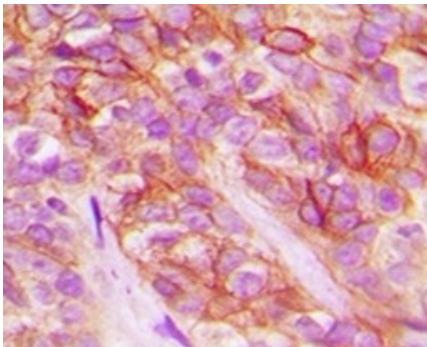
## Background

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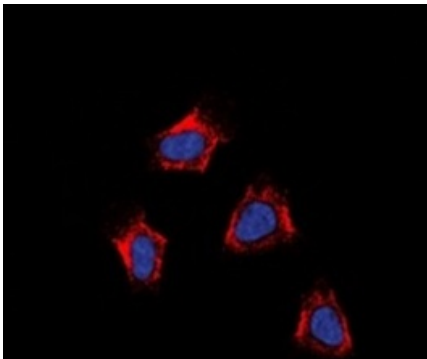
Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system

## Images

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Immunohistochemical analysis of AT1 staining in H.breast cancer formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of AT1 staining in K562 cells.

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