

AGTR1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11843**Specification**

AGTR1 Antibody - Product Information

Application	IHC, IF
Primary Accession	P30556
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41061

AGTR1 Antibody - Additional Information**Gene ID** 185

Positive Control	WB: HepG2, K562, RAW264.7 cell lysate; IHC: human breast cancer tissue; IFC: K562 cells
Application & Usage	WB; 1:500 - 1:2000, IH; 1:50 - 1:200, IF/IC; 1:50 - 1:100
Alias Symbol	AGTR1
Other Names	
AGTR1A; AGTR1B; AT2R1; AT2R1B; Type-1 angiotensin II receptor; AT1AR; AT1BR; Angiotensin II type-1 receptor; AT1	

Appearance

Colorless liquid

Formulation

In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

AGTR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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:1567413, PubMed:8987975, PubMed:15611106, PubMed:25913193, PubMed:26420482, PubMed:30639100, PubMed:32079768). 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

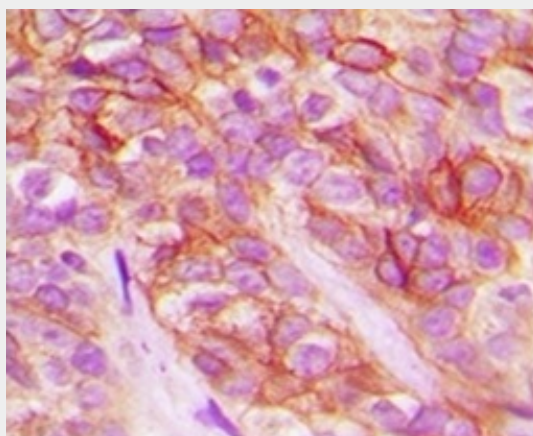
Tissue Location

Liver, lung, adrenal and adrenocortical adenomas.

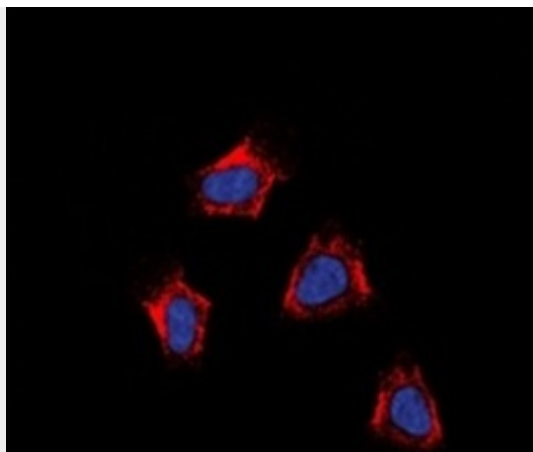
AGTR1 Antibody - Protocols

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

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



Immunofluorescent analysis of AT1 staining in K562 cells.

AGTR1 Antibody - Background

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