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AGTR1 Antibody

Rabbit Polyclonal Antibody
Catalog # ABV11843

Product Information

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

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.

Protein Information

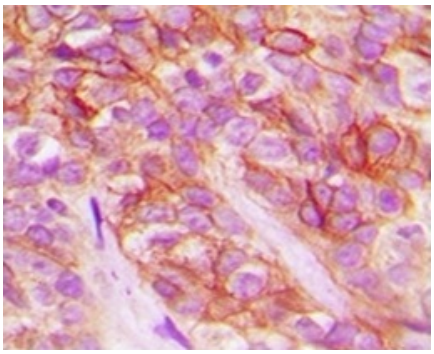
Name	AGTR1 (HGNC:336)
Function	Receptor for angiotensin II, a vasoconstricting peptide, which acts as a key regulator of blood pressure and sodium retention by the kidney (PubMed:15611106, PubMed:1567413, PubMed:25913193, PubMed:26420482, PubMed:30639100, PubMed:32079768, PubMed:8987975). The activated 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:15611106).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Liver, lung, adrenal and adrenocortical adenomas.

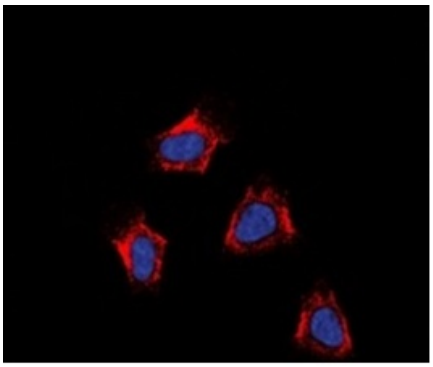
Background

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

Images



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'.