

AGTR1 Antibody (C-term Y319)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20429b

Specification

AGTR1 Antibody (C-term Y319) - Product Information

Application	WB,E
Primary Accession	P30556
Other Accession	P25095 , P29754 , P34976 , P30555 , P25104 , O77590
Reactivity	Human
Predicted	Bovine, Pig, Rabbit, Sheep, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41061
Antigen Region	297-326

AGTR1 Antibody (C-term Y319) - Additional Information

Gene ID 185

Other Names

Type-1 angiotensin II receptor, AT1AR, AT1BR, Angiotensin II type-1 receptor, AT1, AGTR1, AGTR1A, AGTR1B, AT2R1, AT2R1B

Target/Specificity

This AGTR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 297-326 amino acids from the C-terminal region of human AGTR1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

AGTR1 Antibody (C-term Y319) is for research use only and not for use in diagnostic or therapeutic procedures.

AGTR1 Antibody (C-term Y319) - 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

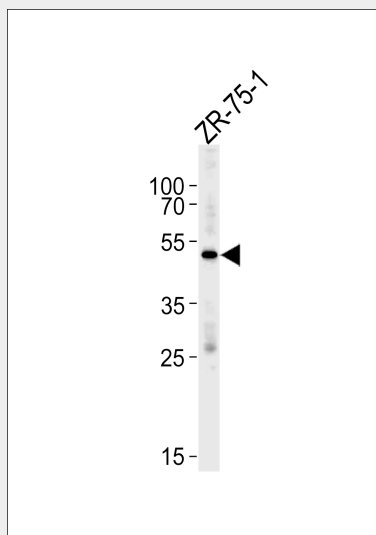
Tissue Location

Liver, lung, adrenal and adrenocortical adenomas.

AGTR1 Antibody (C-term Y319) - 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 (C-term Y319) - Images

AGTR1 Antibody (Y319) (Cat.# AP20429b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the AGTR1 antibody detected the AGTR1 protein (arrow).

AGTR1 Antibody (C-term Y319) - Background

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