

AGTR1 Blocking Peptide (C-term Y319)

Synthetic peptide

Catalog # BP20429b

Specification

AGTR1 Blocking Peptide (C-term Y319) - Product Information

Primary Accession

[P30556](#)

Other Accession

[P25095](#), [P29754](#), [P34976](#), [P30555](#), [P25104](#),
[O77590](#)**AGTR1 Blocking Peptide (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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AGTR1 Blocking Peptide (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: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 Blocking Peptide (C-term Y319) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

AGTR1 Blocking Peptide (C-term Y319) - Images

AGTR1 Blocking Peptide (C-term Y319) - Background

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