

AGTR2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP5007c**Specification**

AGTR2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P50052](#)**AGTR2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 186**Other Names**

Type-2 angiotensin II receptor, Angiotensin II type-2 receptor, AT2, AGTR2

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.

AGTR2 Antibody (Center) Blocking Peptide - Protein Information**Name** AGTR2 {ECO:0000303|PubMed:7790004, ECO:0000312|HGNC:HGNC:338}**Function**

Receptor for angiotensin II, a vasoconstricting peptide (PubMed:28379944, PubMed:29967536, PubMed:31899086, PubMed:8185599). Signals primarily via a non-canonical G-protein- and beta-arrestin independent pathways (PubMed:28379944). Cooperates with MTUS1 to inhibit ERK2 activation and cell proliferation (PubMed:15123706).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P35374}; Multi-pass membrane protein

Tissue Location

In adult, highly expressed in myometrium with lower levels in adrenal gland and fallopian tube. Expressed in the cerebellum. Very highly expressed in fetal kidney and intestine

AGTR2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

AGTR2 Antibody (Center) Blocking Peptide - Images

AGTR2 Antibody (Center) Blocking Peptide - Background

AGTR2 belongs to the G-protein coupled receptor 1 family, and functions as a receptor for angiotensin II. It is an integral membrane protein that is highly expressed in fetus, but scantily in adult tissues, except brain, adrenal medulla, and atretic ovary. This receptor has been shown to mediate programmed cell death and this apoptotic function may play an important role in developmental biology and pathophysiology.

AGTR2 Antibody (Center) Blocking Peptide - References

Tousoulis, D., et al. Am. J. Hypertens. 23(3):237-242(2010) Li, H., et al. Mol. Cancer Ther. 8(12):3255-3265(2009) Ichiki, T., et al. Nature 377(6551):748-750(1995)