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AGTR2 / AT2 Receptor Antibody (Internal)

Rabbit Polyclonal Antibody
Catalog # ALS10335

Specification

AGTR2 / AT2 Receptor Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	P50052
Reactivity	**Human, Mouse, Hamster, Monkey, Pig, Sheep, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**41kDa KDa**

AGTR2 / AT2 Receptor Antibody (Internal) - Additional Information

Gene ID 186

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

Target/Specificity
Human AGTR2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GPR65 (63%), NPFFR2 (44%).

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
AGTR2 / AT2 Receptor Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

AGTR2 / AT2 Receptor Antibody (Internal) - Protein Information

Name AGTR2 {ECO:0000303|PubMed:7790004, ECO:0000312|HGNC:HGNC:338}

Function
Receptor for angiotensin II, a vasoconstricting peptide (PubMed:8185599, PubMed:28379944, PubMed:29967536, PubMed:31899086). 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

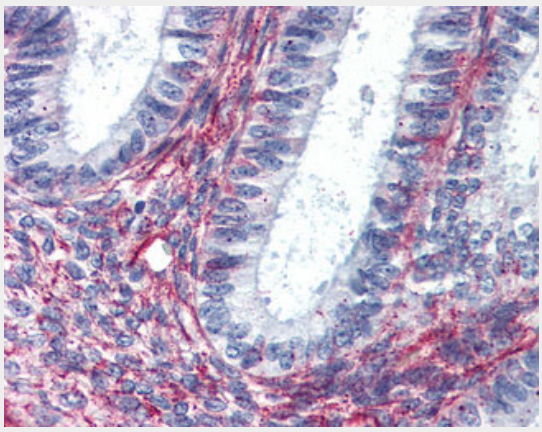
Volume
50 µl

AGTR2 / AT2 Receptor Antibody (Internal) - Protocols

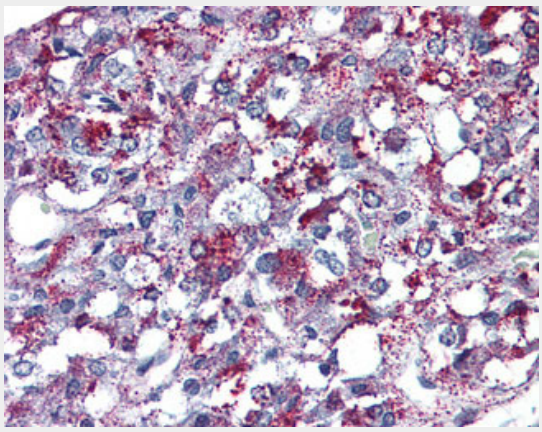
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AGTR2 / AT2 Receptor Antibody (Internal) - Images



Anti-AGTR2 antibody ALS10335 IHC of human uterus.



Anti-AGTR2 antibody ALS10335 IHC of human adrenal.

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AGTR2 / AT2 Receptor Antibody (Internal) - Background

Receptor for angiotensin II. Cooperates with MTUS1 to inhibit ERK2 activation and cell proliferation.

AGTR2 / AT2 Receptor Antibody (Internal) - References

Martin M.M.,et al.Biochem. Biophys. Res. Commun. 209:554-562(1995).
Chassagne C.,et al.Genomics 25:601-603(1995).
Koike G.,et al.Biochem. Biophys. Res. Commun. 203:1842-1850(1994).
Tsuzuki S.,et al.Biochem. Biophys. Res. Commun. 200:1449-1454(1994).
Martin M.M.,et al.Biochem. Biophys. Res. Commun. 205:645-651(1994).