10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AGTR1 / AT1 Receptor Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS13536

Specification

AGTR1 / AT1 Receptor Antibody (Internal) - Product Information

Application	**IF**
Primary Accession	P30556
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**41kDa KDa**

AGTR1 / AT1 Receptor Antibody (Internal) - 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
Human AGTR1

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
AGTR1 / AT1 Receptor Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

AGTR1 / AT1 Receptor Antibody (Internal) - 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:<a

href="http://www.uniprot.org/citations/15611106" target="_blank">15611106).

Cellular Location
Cell membrane; Multi-pass membrane protein

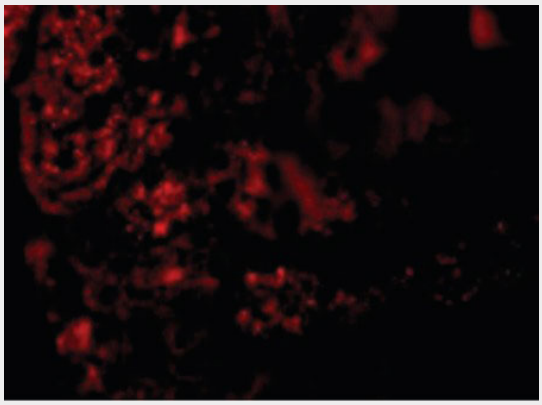
Tissue Location
Liver, lung, adrenal and adrenocortical adenomas.

AGTR1 / AT1 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

AGTR1 / AT1 Receptor Antibody (Internal) - Images



Immunofluorescence of AGTR1 in Mouse Kidney cells with AGTR1 antibody at 20 ug/ml.

AGTR1 / AT1 Receptor Antibody (Internal) - Background

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

AGTR1 / AT1 Receptor Antibody (Internal) - References

Mauzy C.A.,et al.Biochem. Biophys. Res. Commun. 186:277-284(1992).
Furuta H.,et al.Biochem. Biophys. Res. Commun. 183:8-13(1992).
Bergsma D.J.,et al.Biochem. Biophys. Res. Commun. 183:989-995(1992).
Takayanagi R.,et al.Biochem. Biophys. Res. Commun. 183:910-916(1992).
Curnow K.M.,et al.Mol. Endocrinol. 6:1113-1118(1992).