

Rabbit Anti-Angiotensin II Type 1 Receptor/Cy5 Conjugated antibody

SL2097R-Cy5

| | |
|--------------------------|--|
| Product Name | Anti-Angiotensin II Type 1 Receptor/Cy5 |
| Chinese Name | Cy5 标记的血管紧张素II-1 型受体抗体 |
| Alias | AG2S; Agtr 1; Agtr1; Agtr1a; AGTR1B; Angiotensin II receptor type 1; AT-1B; AT-1r; AT1; At1a; AT1AR; AT1B; AT1BR; AT2R1; AT2R1A; AT2R1B; HAT1R; Type 1 angiotensin II receptor; AGTR1_HUMAN; Type-1 angiotensin II receptor; Angiotensin II type-1 receptor; AT1R; Ang II; Angiotensin II receptor type 1; Angiotensin receptor 1; Angiotensin receptor 1B; AT 1B; AT1; AT1R. |
| Research Area | Cardiovascular Growth factors and hormones The new supersedes the old |
| Immunogen Species | Rabbit |
| Clonality | Polyclonal |
| React Species | Mouse,Rat(predicted:Human,Cow,Rabbit) IF=1:100-500 |
| Applications | not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight | 39kDa |
| Form | Lyophilized or Liquid |
| Concentration | 1mg/ml |
| immunogen | KLH conjugated synthetic peptide derived from human AT1R |
| Lsotype | IgG |
| Purification | affinity purified by Protein A |
| Storage Buffer | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| Storage | |
| Product Detail | background: Angiotensin II is a potent vasopressor hormone and a primary regulator of |

aldosterone secretion. It is an important effector controlling blood pressure and volume in the cardiovascular system. It acts through at least two types of receptors. This gene encodes the type 1 receptor which is thought to mediate the major cardiovascular effects of angiotensin II. This gene may play a role in the generation of reperfusion arrhythmias following restoration of blood flow to ischemic or infarcted myocardium. It was previously thought that a related gene, denoted as AGTR1B, existed; however, it is now believed that there is only one type 1 receptor gene in humans. At least five transcript variants have been described for this gene. Additional variants have been described but their full-length nature has not been determined. The entire coding sequence is contained in the terminal exon and is present in all transcript variants. [provided by RefSeq].

Function:

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

Subunit:

Interacts with MAS1 (Probable). Interacts with ARRB1.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Liver, lung, adrenal and adrenocortical adenomas.

Post-translational modifications:

C-terminal Ser or Thr residues may be phosphorylated.

DISEASE:

Renal tubular dysgenesis (RTD) [MIM:267430]: Autosomal recessive severe disorder of renal tubular development characterized by persistent fetal anuria and perinatal death, probably due to pulmonary hypoplasia from early-onset oligohydramnios (the Potter phenotype). Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

Database links:

[Entrez Gene: 185](#) Human

[Entrez Gene: 11607](#) Mouse

[Entrez Gene: 11608](#) Mouse

[Entrez Gene: 24180](#) Rat

[Entrez Gene: 81638](#) Rat

[Omim: 106165](#) Human

[SwissProt: P30556](#) Human

[SwissProt: P29754](#) Mouse

[SwissProt: P29755](#) Mouse

[SwissProt: P25095](#) Rat

[SwissProt: P29089](#) Rat

[Unigene: 477887](#) Human

[Unigene: 728754](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

AT1-受体：血管紧张素II-1 型受体抗体,主要用于 Cardiovascular 病方面的研究。