SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Angiotensin II Type 1 Receptor antibody

Catalog Number: SL23774R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Angiotensin II Type 1 Receptor
Immunogen:	KLH conjugated synthetic peptide derived from human Angiotensin II Type 1 Receptor : 1-100/359 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Dog,Pig,Rabbit,Sheep)
Predicted MW.:	39kDa
Subcellular Location:	cytoplasmic The cell membrane
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].

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

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	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 AT1-receptor: angiotensin II type 1 receptor antibody, mainly used for research in Cardiovascular diseases.

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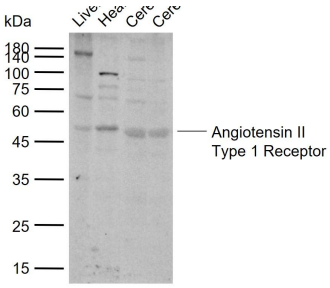
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[VALIDATION IMAGES]



Sample:
Lane 1: Mouse Liver tissue lysates
Lane 2: Mouse Heart tissue lysates
Lane 3: Mouse Cerebrum tissue lysates
Lane 4: Rat Cerebrum tissue lysates
Primary: Anti-Angiotensin II Type 1 Receptor (SL23774R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kDa
Observed band size: 50 kDa

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