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anti-Angiotensin II Type-1 Receptor antibody (AA 250-350)







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Overview

Quantity:	100 μL		
Target:	Angiotensin II Type-1 Receptor (AGTR1)		
Binding Specificity:	AA 250-350		
Reactivity:	Human		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This Angiotensin II Type-1 Receptor antibody is un-conjugated		
Application:	Western Blotting (WB)		
Product Details			
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human AT1R/AGTR1 (NP_000676.1).		
Sequence:	FFSWIPHQIF TFLDVLIQLG IIRDCRIADI VDTAMPITIC IAYFNNCLNP LFYGFLGKKF KRYFLQLLKY IPPKAKSHSN LSTKMSTLSY RPSDNVSSST K		
Isotype:	IgG		
Cross-Reactivity:	Human, Mouse, Rat		
Characteristics:	Polyclonal Antibodies		
Purification:	Affinity purification		

Target Details

Target:	Angiotensin II Type-1 Receptor (AGTR1)			
Alternative Name:	AGTR1 (AGTR1 Products)			
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. Multiple alternatively spliced transcript variants have been reported for this			
	gene.,AGTR1,AG2S,AGTR1B,AT1,AT1AR,AT1B,AT1BR,AT1R,AT2R1,HAT1R,Cancer,Invasion an			
	Metastasis, Signal Transduction, G protein signaling, G-Protein-Coupled Receptors (GPCR), Cell			
	Biology & Developmental Biology,Growth factor,Endocrine &			
	Metabolism,Cardiovascular,Angiogenesis,Angiogenic growth factors,Blood,Blood Pressure			
	regulation,AGTR1			
Molecular Weight:	41 kDa			
Gene ID:	185			
UniProt:	P30556			
Pathways:	JAK-STAT Signaling, ACE Inhibitor Pathway, Regulation of Systemic Arterial Blood Pressure by			

Application Details

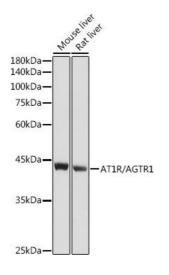
Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C			
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using R/ antibody (ABIN6133546, ABIN6136653, ABIN6136654 and ABIN6218484) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.