Product Name: Angiotensin II Type 2 Receptor Rabbit Monoclonal Antibody
Catalog #: AMRe87160
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:5000,IP 1:10-1:100
Molecular Weight	Calculated MW:41 kDa; Observed MW:41 kDa

Antigen Information

Gene Name	Angiotensin II Type 2 Receptor
Alternative Names	AT2; ATGR2; MRX88
Gene ID	186
SwissProt ID	P50052
Immunogen	A synthetic peptide of human Angiotensin II Type 2 Receptor

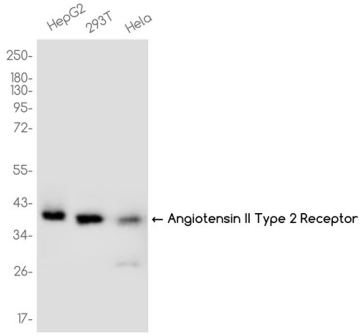
Background

The protein encoded by this gene belongs to the G-protein coupled receptor 1 family, and functions as a receptor for angiotensin II. It is an intergral membrane protein that is highly expressed in fetus, but scantily in adult tissues, except brain,

adrenal medulla, and atretic ovary. This receptor has been shown to mediate programmed cell death and this apoptotic function may play an important role in developmental biology and pathophysiology. Mutations in this gene are been associated with X-linked cognitive disability. Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV) and SARS-CoV-2 infection result in down-regulation of ACE2 (angiotensin converting enzyme-2) receptors which triggers serious inflammatory lesions, primarily in the lungs. The inflammatory reaction is mediated by angiotensin II derivatives; however, while the ACE2-angiotensin II-angiotensin AT1 receptor pathway contributes to the pathophysiology of ARDS (acute respiratory distress syndrome), the activation of the ACE-2-angiotensin(1-7)-angiotensin AT2 receptor and the ACE-2-angiotensin(1-7)-Mas receptor pathways have been shown to be protective. [provided by RefSeq, Jun 2020]

Research Area

Image Data



Western blot analysis of extracts from HepG2,293T, HeLa cells using Angiotensin II Type 2 Receptor Rabbit Monoclonal Antibody at 1:1000.