

Datasheet for ABIN2788290

anti-Angiotensin II Type 2 Receptor antibody (N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Angiotensin II Type 2 Receptor (AGTR2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig, Cow, Horse, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiotensin II Type 2 Receptor antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AGTR2
Sequence:	LHFGLVNISG NNESTLNCSQ KPSDKHLDAI PILYYIIFVI GFLVNIVVVT
Predicted Reactivity:	Cow: 86%, Dog: 86%, Horse: 79%, Human: 100%, Mouse: 79%, Pig: 86%, Rabbit: 79%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against AGTR2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Angiotensin II Type 2 Receptor (AGTR2)
Alternative Name:	AGTR2 (AGTR2 Products)
Background:	The protein encoded by this gene belongs to the G-protein coupled receptor 1 family, and

Target Details

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 mental retardation.

Alias Symbols: AT2, ATGR2, MRX88

Protein Interaction Partner: ERBB2IP, TIMP3, SNTA1, ZBTB16, MTUS1, PIK3CB, ERBB3, GNAI3, GNAI2, ACE, AGT, AGTRAP,

Protein Size: 363

Molecular Weight: 41 kDa

Gene ID: 186

NCBI Accession: [NM_000686](#), [NP_000677](#)

UniProt: [P50052](#)

Pathways: [ACE Inhibitor Pathway](#), [Hormone Transport](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 363 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

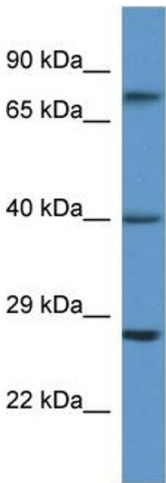
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



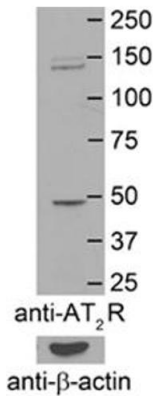
90 kDa__
65 kDa__
40 kDa__
29 kDa__
22 kDa__

Rabbit Anti-AGTR2 Antibody
Catalog Number: ARP59983
Lot Number: QC31423
Lane: Fetal Brain Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 1.



250
150
100
75
50
37
25

anti-AT₂R
anti-β-actin

AGTR2 (ARP59983_P050)
Western Blot
Sample: Mouse Brain Membranes
Dilution: 1:4000

Application data in forum

Submitted by:
Vardan K. Karamyan
Texas Tech University HSC

Western Blotting

Image 2.