

Datasheet for ABIN6256893

anti-Angiotensin II Type-1 Receptor antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	Angiotensin II Type-1 Receptor (AGTR1)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiotensin II Type-1 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human AGTR1, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	AGTR1 Antibody detects endogenous levels of total AGTR1.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	Angiotensin II Type-1 Receptor (AGTR1)
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Target Details

Alternative Name:	AGTR1 (AGTR1 Products)
Background:	Description: Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Gene: AGTR1
Molecular Weight:	41 kDa
Gene ID:	185
UniProt:	P30556
Pathways:	JAK-STAT Signaling , ACE Inhibitor Pathway , Regulation of Systemic Arterial Blood Pressure by Hormones , Feeding Behaviour

Application Details

Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, IHC 1:100-200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

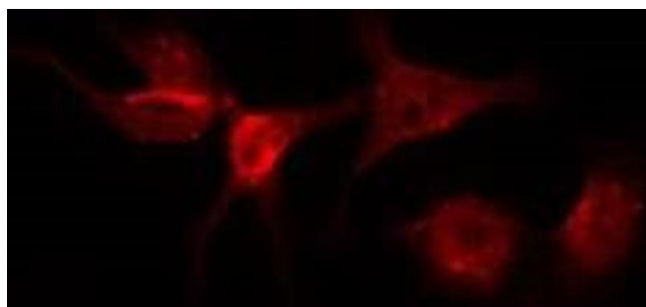
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Publications

Product cited in:	Grundmann, Schutkowski, Schreier, Rabe, König, Gekle, Stangl: "Vitamin D Receptor Deficiency Does Not Affect Blood Pressure and Heart Function." in: Frontiers in physiology , Vol. 10, pp. 1118, (2019) (PubMed).
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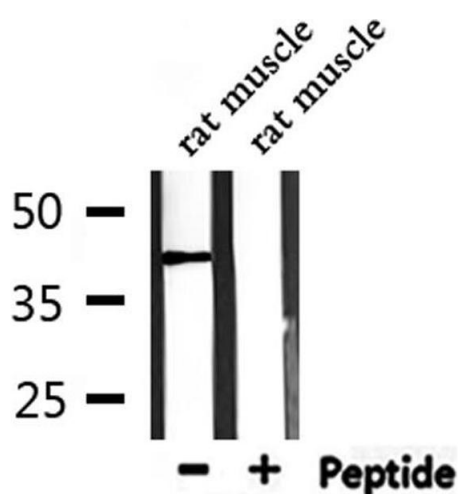
Galan, Lozano, Piñeiro, Martinez-Salas: "G3BP1 interacts directly with the FMDV IRES and negatively regulates translation." in: **The FEBS journal**, Vol. 284, Issue 19, pp. 3202-3217, (2017) ([PubMed](#)).

Images



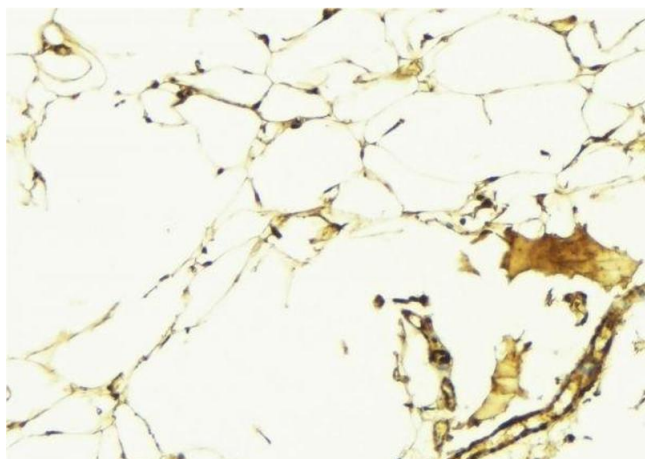
Immunofluorescence (fixed cells)

Image 1. ABIN6275972 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blotting

Image 2. Western blot analysis of extracts from rat muscle, using AGTR1 Antibody.



Immunohistochemistry

Image 3. ABIN6275972 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary