

Rabbit AGTR1 Polyclonal Antibody | anti-AGTR1 antibody

AGTR1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287544	Rabbit	Human (Predicted Reactivity: Pig, Rabbit)	Immunohistochemistry, ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

AGTR1; Polyclonal Antibody; AGTR1 Antibody (Center); Type-1 angiotensin II receptor; AT1AR; AT1BR; Angiotensin II type-1 receptor; AT1; AGTR1A; AGTR1B; AT2R1; AT2R1B; anti-AGTR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Pig, Rabbit)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AGTR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 211-240 amino acids from the Central region of human AGTR1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	211-240
Sequence Length	359
Applicable Applications for anti-AGTR1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

AGTR1 Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of AGTR1 Antibody (Center) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

AGTR1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AGTR1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

AGTR1 Antibody (Center) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the AGTR1 antibody detected the AGTR1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-AGTR1 antibody	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].
Product Categories/Family for anti-AGTR1 antibody	Cancer ; Cardiovascular ; Metabolism ; Signal Transduction ; Phospho Antibodies
References	Xu, M., et al. Atherosclerosis 213(1):191-199(2010) Niu, W., et al. Hypertens. Res. 33(11):1137-1143(2010) Procopciuc, L.M., et al. Eur. J. Intern. Med. 21(5):414-418(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) : Schoor, M., et al. J. Neurol. Neurosurg. Psychiatr. (2010) In press :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501997
NCBI GeneID	185
NCBI Accession #	NP_000676.1 ; NP_033611.1
NCBI GenBank Nucleotide #	NM_000685.4
UniProt Accession #	P30556 ; Q13725 ; Q8TBK4
Molecular Weight	41061
NCBI Official Full Name	type-1 angiotensin II receptor isoform 1
NCBI Official Synonym Full Names	angiotensin II receptor, type 1
NCBI Official Symbol	AGTR1
NCBI Official Synonym Symbols	AT1; AG2S; AT1B; AT1R; AT1AR; AT1BR; AT2R1; HAT1R; AGTR1B
NCBI Protein Information	type-1 angiotensin II receptor
UniProt Protein Name	Type-1 angiotensin II receptor
UniProt Gene Name	AGTR1

UniProt Synonym Gene Names	AGTR1A; AGTR1B; AT2R1; AT2R1B; AT1
UniProt Entry Name	AGTR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/agtr1-antibody-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/287544>