

Rabbit AGTR1 Polyclonal Antibody | anti-AGTR1 antibody

AGTR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325526	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

AGTR1; Polyclonal Antibody; AGTR1 Antibody; AG2S; Agtr 1; Agtr1; AGTR1_HUMAN; Agtr1a; AGTR1B; Ang II; Angiotensin II receptor type 1; Angiotensin II type-1 receptor; Angiotensin receptor 1; Angiotensin receptor 1B; AT 1B; AT 1r; AT1; At1a; AT1AR; AT1B; AT1BR; AT1R; AT2R1; AT2R1A; AT2R1B; HAT1R; Type 1 angiotensin II receptor; Type 1B angiotensin II receptor; Type-1 angiotensin II receptor; anti-AGTR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AGTR1 antibody detects endogenous levels of total AGTR1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	359
Applicable Applications for anti-AGTR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Liver, lung, adrenal and adrenocortical adenomas.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325526 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 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using AGTR1 antibody.



WB (Western Blot)

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



IHC (Immunohistochemistry)

AAA325526 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 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-AGTR1 antibody	Function: Receptor for angiotensin II. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Subunit Structure: Interacts with MAS1 (Probable) (PubMed:15809376). Interacts with ARRB1 (By similarity). Interacts with FLNA (via filamin repeat 21); increases PKA-mediated phosphorylation of FLNA (PubMed:26460884). Post-translational Modifications: C-terminal Ser or Thr residues may be phosphorylated. Similarity: Belongs to the G-protein coupled receptor 1 family.
References	Galan A, Lozano G, Piñeiro D, Martinez-Salas E; Journal: FEBS J. G3BP1 interacts directly with the FMDV IRES and negatively regulates translation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501997
NCBI GeneID	185
NCBI Accession #	NP_000676.1
NCBI GenBank Nucleotide #	NM_000685.4
UniProt Accession #	P30556; Q13725; Q8TBK4
Molecular Weight	Observed: 41 kD Predicted: 42 kDa
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

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-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/325526>