

Rabbit anti-Human AGT Polyclonal Antibody | anti-AGT antibody

AGT Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287497	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

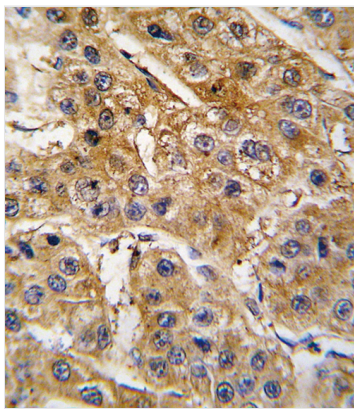
PRODUCT SYNONYMS

AGT; Polyclonal Antibody; AGT Antibody (N-term); Angiotensinogen; Serpin A8; Angiotensin-1; Angiotensin 1-10; Angiotensin I; Ang I; Angiotensin-2; Angiotensin 1-8; Angiotensin II; Ang II; Angiotensin-3; Angiotensin 2-8; Angiotensin III; Ang III; Des-Asp[1]-angiotensin II; Angiotensin-4; Angiotensin 3-8; Angiotensin IV; Ang IV; Angiotensin 1-9; Angiotensin 1-7; Angiotensin 1-5; Angiotensin 1-4; SERPIN A8; anti-AGT antibody

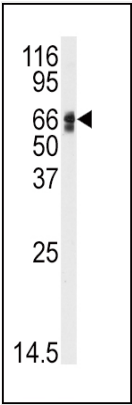
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AGT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-65 amino acids from the N-terminal region of human AGT.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	37-65
Sequence Length	485
Applicable Applications for anti-AGT antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with AGT antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-AGT Antibody (N-term) in HepG2 cell line lysates (35ug/lane). AGT (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-AGT antibody	AGT, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. Mutations in AGT gene are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in AGT gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.
Product Categories/Family for anti-AGT antibody	Cancer; Cardiovascular; Metabolism; Neuroscience; Signal transduction
References	Gurkan,A., Arch. Oral Biol. 54 (4), 337-344 (2009) Vickers,C., J. Biol. Chem. 277 (17), 14838-14843 (2002) Donoghue,M., Circ. Res. 87 (5), E1-E9 (2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557287
NCBI GeneID	183
NCBI Accession #	NP_000020.1
NCBI GenBank Nucleotide #	NM_000029.3
UniProt Accession #	P01019; Q16358; Q16359; Q96F91
Molecular Weight	53154
NCBI Official Full Name	angiotensinogen preproprotein
NCBI Official Synonym Full Names	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)
NCBI Official Symbol	AGT
NCBI Official Synonym Symbols	ANHU; SERPINA8
NCBI Protein Information	angiotensinogen
UniProt Protein Name	Angiotensinogen
UniProt Gene Name	AGT

UniProt Synonym Gene Names	SERPINA8; Ang I; Ang II; Ang III; Ang IV
UniProt Entry Name	ANGT_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/agt-antibody-immunohistochemistry-western-blot-elisa/287497>