AGT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AGT, Polyclonal Antibody
Full Product Name	AGT (Angiotensinogen, Serpin A8, Angiotensin-1, Angiotensin I, Ang I, Angiotensin-2, Angiotensin II, Ang II, Angiotensin-3, Angiotensin III, Ang III, Des
Product Gene Name	anti-AGT antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human AGT.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	53,154 Da
Immunogen	Full-length protein corresponding to aa1-485 from human AGT (AAH11519.1)
Immunogen Sequence	MRKRAPQSEMAPAGVSLRATILCLLAWAGLAAGDRVYIHPFHLVIHNESTCEQLAKANAGKPKDPTFIPAPIQAKTSPVDEKALQDQLVLVAAKLDTEDKLR
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-AGT antibody	Antibodies; Angiotensin(ogen)
Applications Tested/Suitable for anti-AGT antibody	Western Blot (WB)
Application Notes for anti-AGT antibody	Applications are based on unconjugated antibody.
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 pre disease.
Other Notes	Small volumes of anti-AGT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar

Searchable Terms for AGT purchase	MBS6369062 is an antibody targeting AGT. Also known as AGT (Angiotensinogen, Serpin A8, Angiotensin-1, Angiotensin I, Ang I, Angiotensin-2, Angi

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AGT. It may not necessarily be applicable to this product.

NCBI GI #	15079347
NCBI GeneID	183
NCBI Accession #	BC011519
NCBI Related Accession #	AAH11519.1
UniProt Secondary Accession #	Q16358; Q16359; Q96F91
UniProt Related Accession #	P01019
NCBI Official Full Name	Homo sapiens angiotensinogen (serpin peptidase inhibitor, clade A, member 8), mRNA
NCBI Official Synonym Full Names	angiotensinogen
NCBI Official Symbol	AGT
NCBI Official Synonym Symbols	ANHU; SERPINA8
Protein Family	Angiotensinogen
NCBI Protein Information	angiotensinogen
NCBI Summary for AGT	The protein encoded by this gene, 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 this gene are associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesis, a severe disorder of renal tubular development. Defects in this gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease. [provided by RefSeq, Jul 2008]
Research Articles on AGT	**1.** The ACE2-Ang (1-7)-Mas axis serves as an important signal pathway in endothelial cell protection in diabetic human arteries.
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