AGT Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	AGT, Monoclonal Antibody
Full Product Name	AGT (Angiotensinogen (Serpin Peptidase Inhibitor, Clade A, Member 8), ANHU, FLJ92595, FLJ97926, SerpinA8) (MaxLight 405)
Product Gene Name	anti-AGT antibody
Product Synonym Names	Angiotensinogen (Serpin Peptidase Inhibitor; Clade A; Member 8); ANHU; FLJ92595; FLJ97926; SerpinA8
Clonality	Monoclonal
Isotype	IgG3,k
Clone Number	3C10
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified
Specificity	Recognizes 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
Immunogen	AGT (AAH11519, 1aa-485aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MRKRAPQSEMAPAGVSLRATILCLLAWAGLAAGDRVYIHPFHLVIHNESTCEQLAKANAGKPKDPTFIPAPIQAKTSPVDEKALQDQLVLVAAKLDTEDKLF
Conjugate	MaxLight405
Product Categories/Family for anti-AGT antibody	Antibodies; Protease Inhibitors
Applications Tested/Suitable for anti-AGT antibody	FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-AGT antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-AGT antibody	The protein encoded by this gene, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in r and inflammatory bowel disease. [provided by RefSeq]
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 necessa
Searchable Terms for AGT purchase	MBS6194413 is an antibody targeting AGT. Also known as AGT (Angiotensinogen (Serpin Peptidase Inhibitor, Clade A, Member 8), ANHU, FLJ92595,

ADDITIONAL DETAILS

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

NCBI GI #	15079348
NCBI GeneID	183
NCBI Accession #	AAH11519
UniProt Related Accession #	P01019
NCBI Official Full Name	Angiotensinogen (serpin peptidase inhibitor, clade A, member 8)
NCBI Official Synonym Full Names	angiotensinogen
NCBI Official Symbol	AGT
NCBI Official Synonym Symbols	ANHU; hFLT1; 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, body fluid and electrolyte homeostasis, 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, Nov 2019]
Research Articles on AGT	**1.** The three genes associated with chronic kidney disease (AGT, GLO1, and SHROOM3) showed associations with both the high levels of oxidatively damaged DNA and genomic instability.
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