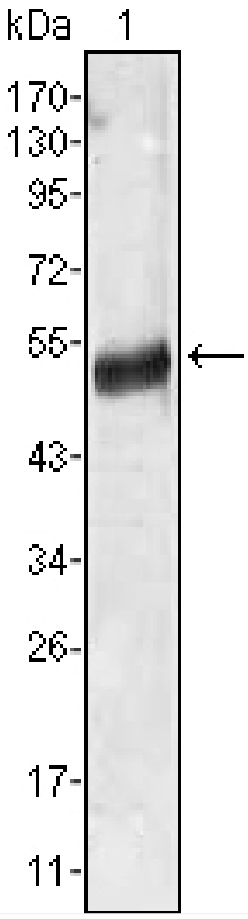
AGT Monoclonal Antibody

Catalog No	YP-Ab-15823
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	AGT
Protein Name	Angiotensinogen
Immunogen	Purified recombinant fragment of human AGT expressed in E. Coli.
Specificity	AGT Monoclonal Antibody detects endogenous levels of AGT protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AGT; SERPINA8; Angiotensinogen; Serpin A8
Observed Band	52kD
Cell Pathway	Secreted.
Tissue Specificity	Expressed by the liver and secreted in plasma.
Function	caution:It is uncertain whether Met-1 or Met-10 is the initiator.,disease:Defects in AGT are a cause of renal tubular dysgenesis (RTD) [MIM:267430]. RTD is an autosomal recessive severe disorder of renal tubular development characterized by persistent fetal anuria and perinatal death, probably due to pulmonary hypoplasia from early-onset oligohydramnios (the Potter phenotype).,disease:Defects in AGT are associated with susceptibility to essential hypertension [MIM:145500]. Hypertension also occurs in 5-7% of all pregnancies where it is a leading cause of maternal, fetal and neonatal morbidity and mortality. Among pregnancy-induced hypertension cases, severe pre-eclampsia [MIM:189800] is characterized by the development of hypertension and proteinuria after the 20th week of pregnancy and is the most distinctive, life-threatening form.,function:Angiotensin-3 stimulates aldosterone release.
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using AGT Monoclonal Antibody against human plasma (1).