

Anti-Angiotensinogen Antibody

Catalog # ABO10958

Product Information

Application	WB
Primary Accession	P11859
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Angiotensinogen(AGT) detection. Tested with WB in Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Other Names	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, Agt, Serpina8
Calculated MW	51990
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse, Rat
Subcellular Localization	Secreted.
Tissue Specificity	Expressed by the liver and secreted in plasma.
Source	Eukaryota
Protein Name	Angiotensinogen
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse Angiotensinogen(25-36aa DRVYIHPFHLly), identical to the related rat sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also

be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

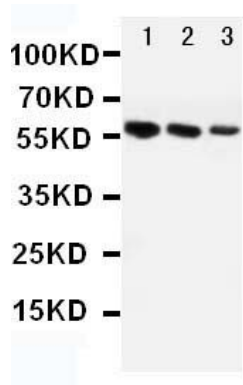
Protein Information

Name	Agt
Synonyms	Serpina8
Function	Essential component of the renin-angiotensin system (RAS), a potent regulator of blood pressure, body fluid and electrolyte homeostasis.
Cellular Location	Secreted {ECO:0000250 UniProtKB:P01019}.

Background

AGT(ANGIOTENSINOGEN), also called SERPINA8, is an alpha-2-globulin that is produced constitutively and released into the circulation mainly by the liver. ATG is a member of the serpin family, although it is not known to inhibit other enzymes, unlike most serpins. Angiotensinogen is also known as renin substrate. The AGT gene is mapped on 1q42.2. And the human angiotensinogen gene contains 5 exons. The expression of AGT and enzymes required for its conversion to angiotensin II in human adipose tissue. Western blot analysis showed a distinct band of expected size of the angiotensinogen protein(61 kD) in isolated adipocytes. The more pronounced AGT increase in TT subjects resulted in similar plasma renin activity at a lower plasma active renin concentration, with a higher plasma renin activity/active renin ratio.

Images



Anti-Angiotensinogen antibody, ABO10958, Western blotting
Lane 1: Mouse Liver Tissue Lysate Lane 2: Rat Liver Tissue Lysate Lane 3: Rat Cardiac Muscle Tissue Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.