

Anti-Angiotensinogen Picoband Antibody

Catalog # ABO10229

Product Information

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

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	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Mouse
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 NaN ₃ .
Immunogen	E.coli-derived mouse Angiotensinogen recombinant protein (Position: D25-A115). Mouse Angiotensinogen shares 62.2% and 87.9% amino acid (aa) sequence identity with human and rat Angiotensinogen, respectively.
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}.

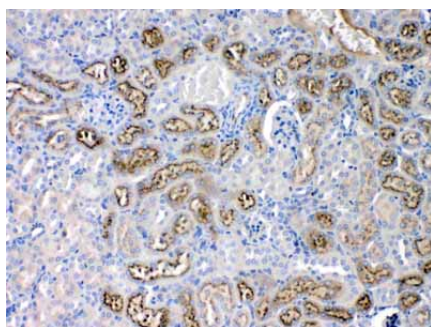
Background

AGT(ANGIOTENSINOGEN), also called SERPINA8, is an α_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. Mutations in this AGT 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.

Images



Western blot analysis of Angiotensinogen expression in mouse liver extract (lane 1), mouse spleen extract (lane 2), mouse testis extract (lane 3) and mouse kidney extract (lane 4). Angiotensinogen at 56KD was detected using rabbit anti- Angiotensinogen Antigen Affinity purified polyclonal antibody (Catalog # ABO10229) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .



Angiotensinogen was detected in paraffin-embedded sections of mouse kidney tissues using rabbit anti- Angiotensinogen Antigen Affinity purified polyclonal antibody (Catalog # ABO10229) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .

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