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Anti-Angiotensinogen Picoband Antibody

Catalog # ABO10229

Specification

Anti-Angiotensinogen Picoband Antibody - 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.

Anti-Angiotensinogen Picoband Antibody - 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 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, By Heat

Western blot, 0.1-0.5 µg/ml, Mouse

Subcellular Localization
Secreted.

Tissue Specificity
Expressed by the liver and secreted in plasma.

Protein Name
Angiotensinogen

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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 r˚Constitution, 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.**

Anti-Angiotensinogen Picoband Antibody - 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.

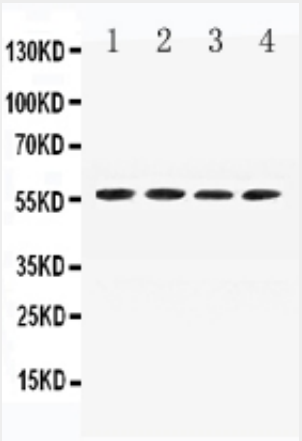
Cellular Location
Secreted {ECO:0000250|UniProtKB:P01019}.

Anti-Angiotensinogen Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Angiotensinogen Picoband Antibody - Images



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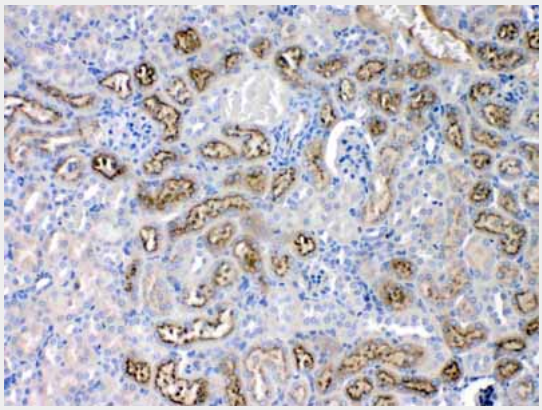
Western blot analysis of Angiotensinogen expression in mouse liver extract (lane 1), mouse spleen extract (lane 2), mouse testis extract (lane 3) and mouse kidney extract (lane 4). Angiotensinogen at 56KD was detected using rabbit anti- Angiotensinogen Antigen Affinity purified polyclonal antibody (Catalog # ABO10229) at 0.5 Î¼g/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 Î¼g/mL. The immunohistochemical section was developed using SABC method .

Anti-Angiotensinogen Picoband Antibody - Background

AGT(ANGIOTENSINOGEN), also called SERPINA8, is an Î±-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.