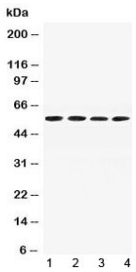
Angiotensinogen Antibody (R32681)

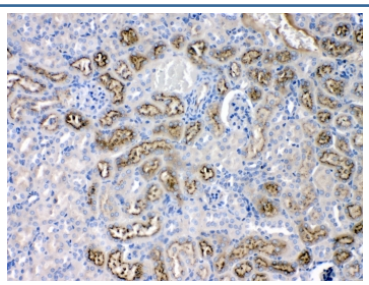
Catalog No.	Formulation	Size
R32681	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P11859
Applications	WB: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml
Limitations	This Angiotensinogen antibody is available for research use only.



Western blot testing of mouse 1) liver, 2) spleen, 3) testis and 4) kidney lysate with Angiotensinogen antibody at 0.5ug/ml. Predicted molecular weight ~56 kDa.



IHC testing of FFPE mouse kidney tissue with Angiotensinogen antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

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. 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.

Application Notes

Optimal dilution of the Angiotensinogen antibody should be determined by the researcher.

Immunogen

Amino acids D25-A115 from the mouse protein were used as the immunogen for the Angiotensinogen antibody.

Storage

After reconstitution, the Angiotensinogen antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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