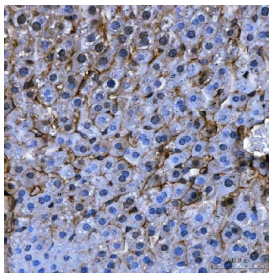
Angiotensinogen Antibody / AGT (R30727)

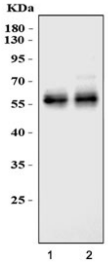
Catalog No.	Formulation	Size
R30727	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P11859
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Angiotensinogen antibody is available for research use only.



IHC staining of FFPE mouse liver tissue with Angiotensinogen antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of two lots of mouse liver lysate with Angiotensinogen antibody. Predicted molecular weight ~56 kDa.

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. The AGT gene is mapped on 1q42.2, and the human 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Angiotensinogen antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of mouse Angiotensinogen (DRVYIHPFHLLY) was used as the immunogen for this 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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