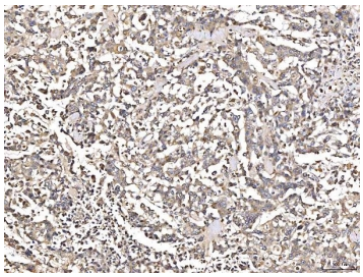
AGT Antibody / Angiotensinogen / SERPINA8 (RQ6926)

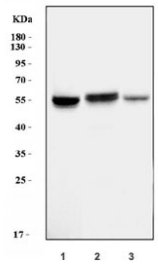
Catalog No.	Formulation	Size
RQ6926	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

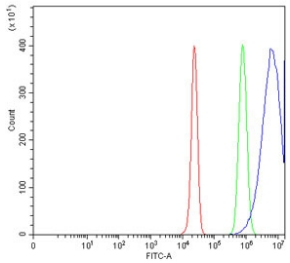
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P01019
Applications	Western blot: 0.5-1 ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This AGT antibody is available for research use only.



IHC staining of FFPE human pancreatic cancer tissue with AGT antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HepG2, 2) HCCP and 3) ThP-1 cell lysate with AGT antibody. Predicted molecular weight ~56 kDa.



Flow cytometry testing of human HepG2 cells with AGT antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= AGT antibody.

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 AGT antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids D34-R458) was used as the immunogen for the AGT antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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