

Anti-Angiotensinogen/AGT Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A02103-4-Fluoro647

About AGT

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.

Overview

Product Name	Anti-Angiotensinogen/AGT Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P01019

Technical Details

Immunogen	E.coli-derived human Angiotensinogen/AGT recombinant protein (Position: D273-R458).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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