

For Research Use Only

CoraLite®594-conjugated Angiotensinogen/AGT Monoclonal antibody

Catalog Number: **CL594-68020**

Basic Information

Catalog Number:

CL594-68020

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG16658

GenBank Accession Number:

BC011519

GeneID (NCBI):

183

UNIPROT ID:

P01019

Full Name:

angiotensinogen (serpin peptidase
inhibitor, clade A, member 8)

Calculated MW:

485 aa, 53 kDa

Observed MW:

52 kDa

Purification Method:

Protein A purification

CloneNo.:

1B2F5

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

Species Specificity:

human, pig

Background Information

Angiotensinogen is a precursor of angiotensin II (Ang II), is expressed and synthesized largely in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. It has a key role in mediating vascular constriction and regulating salt and fluid homeostasis. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. Mutations in this 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 also have been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

